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ALBANY MEDICAL COLLEGE

Register of Students
1911-1912



ANNOUNCEMENT FOR SESSION

1912-1913

MEDICAL DEPARTMENT OF UNION UNIVERSITY

CATALOGUE

OF THE

ALBANY MEDICAL COLLEGE

81st SESSION, 1911-1912

AND

ANNOUNCEMENT FOR SESSION 1912-1913

ALBANY, N. Y.

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1912
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CATALOGUES are sent with care, and graduates of the college changing their post-office address, or not receiving them, will please notify

WILLIS G. TUCKER, M. D., *Registrar*,
ALBANY MEDICAL COLLEGE,
Albany, N. Y.

FACULTY

CHARLES ALEXANDER RICHMOND, D.D., LL.D., *Chancellor of the University.*

JOHN MILTON BIGELOW, M.D., PH.D., *Emeritus Professor of Materia Medica, Therapeutics and Diseases of the Throat and Nose.*

*WILLIAM HAILES, M.D., *Emeritus Anthony Professor of Pathological Anatomy, Histology and Fractures and Dislocations.*

ALBERT VANDER VEER, M.D., PH.D., LL.D., *Professor of Surgery.*

SAMUEL BALDWIN WARD, M.D., PH.D., DEAN, *Professor of Theory and Practice of Medicine.*

JAMES PETER BOYD, M.D., *Professor of Obstetrics and Diseases of Children.*

WILLIS GAYLORD TUCKER, M.D., PH.D., REGISTRAR, *Professor of Chemistry and Toxicology.*

CYRUS STRONG MERRILL, M.D., *Professor of Ophthalmology and Otology.*

FREDERIC COLTON CURTIS, M.D., *Professor of Dermatology.*

HENRY HUN, M.D., *Professor of Diseases of the Nervous System.*

SAMUEL ROSEBURGH MORROW, M.D., *Professor of Practice of Surgery and of Orthopedic Surgery.*

HERMON CAMP GORDINIER, M.D., *Professor of Physiology.*

HOWARD VAN RENSSELAER, M.D., *Professor of Materia Medica and Therapeutics, and Adjunct Professor of Theory and Practice of Medicine.*

JOSEPH DAVIS CRAIG, M.D., *Professor of Anatomy. Curator of the Museum.*

ANDREW MACFARLANE, M.D., *Professor of Physical Diagnosis and of Medical Jurisprudence.*

ARTHUR GUERNSEY ROOT, M.D., *Professor of Diseases of the Throat and Nose.*

LEO HAENDEL NEUMAN, M.D., *Professor of Gastro-Enteric Diseases, and Clinical Professor of Theory and Practice of Medicine.*

ARTHUR WELLS ELTING, M.D., *Professor of the Practice of Surgery and of Clinical Surgery.*

EDGAR ALBERT VANDER VEER, M.D., *Professor of Abdominal and Clinical Surgery.*

JOHN ALBERTSON SAMPSON, M.D., *Professor of Gynecology.*

HARRY SAUL BERNSTEIN, M.D., *Professor of Pathology and Bacteriology.*

*Died July 6, 1912.

CLINICAL PROFESSORS

HERMAN BENDELL, M.D., *Otology*.
JESSE MONTGOMERY MOSHER, M.D., *Insanity, Neurology and Electro-Therapeutics*.
HARRY JUDSON LIPES, M.D., *Obstetrics*.
ARTHUR SAUTTER, M.D., *Dermatology and Lecturer on Venereal Diseases*.
GEORGE EMORY LOCHNER, M.D., *Obstetrics*.
CLEMENT FRANK THEISEN, M.D., *Diseases of Throat and Nose*.
HENRY LARNED KEITH SHAW, M.D., *Diseases of Children*.

ADJUNCT PROFESSORS

SPENCER LYMAN DAWES, M.D., *Materia Medica*.
LA SALLE ARCHAMBAULT, M.D., *Neurology*.
ROBERT WOOD KEETON, M.S., *Physiological Chemistry and Experimental Physiology*.

LECTURERS

WILLIAM OLIN STILLMAN, M.D., *History of Medicine*.
CHARLES HENRY MOORE, M.D., *Ophthalmology and Otology*.
JAMES FRANCIS ROONEY, M.D., *Hygiene and Instructor in Medicine*.
HOWARD EATON LOMAX, M.D., *Anatomy and Demonstrator of Anatomy*.
GEORGE GUSTAVE LEMPE, M.D., *Minor Surgery*.
WILLIAM ATWOOD LARKIN, Ph.G., *Inorganic Chemistry and Instructor in Organic Chemistry. Assistant Registrar*.
JAMES NEWELL VANDER VEER, M.D., *Surgical Technic and Instructor in Genito-Urinary Surgery*.
ARTHUR JOSEPH BEDELL, M.D., *Ophthalmology*.
JAMES WESLEY WILTSE, M.D., *Dermatology and Genito-Urinary Diseases*.
JOHN HENRY GUTMANN, M.D., *Surgery*.
JOSEPH LEWI DONHAUSER, M.D., *Surgical Diagnosis*.
ALVAH HARRY TRAVER, M.D., *Clinical Surgery and Instructor in Surgery*.
CLINTON BENJAMIN HAWN, M.D., *Clinical Microscopy*.
CLINTON PRESTON MCCORD, M.D., *Histology and Embryology*.
JOHN MCWILLIAMS BERRY, M.D., *Radiography*.

INSTRUCTORS

LA VERNE ADELBERT BOUTON, M.D., *Anatomy*.
WARDNER DANIEL AYER, M.D., *Histology, Pathological Anatomy and Bacteriology*.

Experimental Pharmacology.

EDGAR ROSCOE STILLMAN, M.D., *Physiology*.
CHARLES KNICKERBACKER WINNE, JR., M.D., *Theory and Practice*.
JOSEPH ALOYSIUS LANAHAN, M.D., *Dermatology and Venereal Diseases*.
GEORGE EVERETT BEILBY, M.D., *Surgical Pathology*.
BRANSEN KEEMPER DE VOE, M.D., *Anatomy*.
EUGENE EUNSON HINMAN, M.D., *Diseases of Throat and Nose*.
MALCOLM DOUGLAS, M.D., *Physical Diagnosis and Therapeutics*.
ERASTUS CORNING, M.D., *Theory and Practice and Physical Diagnosis*.
LEROY SOLOMON BLATNER, D.D.S., *Oral Pathology*.
WILLIAM KIRK, M.D., *Anatomy and Physiology of the Nervous System*.
WALTER ANCEL REYNOLDS, M.D., *Assistant Demonstrator of Anatomy*.
JEROME MEYERS, M.D., *Physical Diagnosis*.
RICHARD ANDREW LAWRENCE, M.D., *Obstetrics*.
HAROLD PAYNE SAWYER, M.D., *Clinical Microscopy*.

INSTRUCTORS—Continued

THEOBALD FREDERICK DOESCHER, M.D., *Gastro-Enteric Diseases*.
 NELSON KAUFMAN FROMM, M.D., *Materia Medica*.
 TIFFANY LAWYER, M.D., *Gynecology*.
 EDWIN LYON DRAPER, M.D., *Surgical Pathology and Surgery*.
 WILLIAM GEORGE KEENS, M.D., *Diseases of Throat and Nose*.
 HARRY HOUGHTON DRAKE, M.D., *Anatomy and Clinical Assistant*.
 JOSEPH AMBROSE COX, M.D., *Obstetrics*.
 JOSEPH LEWI BENDELL, M.D., *Surgery*.
 FREDERIC CHARLES CONWAY, M. D., *Physical Diagnosis*.
 JOHN FORREST SOUTHWELL, M.D., *Surgery*.
 PAUL TOMPKINS HARPER, M.D., *Obstetrics*.
 THOMAS WILLIAMS JENKINS, M.D., *Assistant in Histology*.
 CHARLES WILLIAM LOUIS HACKER, M.D., *Assistant in Histology and Pathology*
 WALTER CLAYTON FOX, M.D., *Assistant in Pathology and Bacteriology*.

CLINICAL ASSISTANTS

WILLIAM HENRY GEORGE, M.D. MICHAEL DANIEL STEVENSON, M.D. LOUIS HERBERT GAUS, M.D. ELIJAH HUDSON RIDER, M.D. GEORGE WASHINGTON PAPEN, JR., M.D. JOHN JOSEPH A. LYONS, M.D. WILLIAM GRANT LEWI, M.D. MARTIN MACHARG, M.D. LOUIS LEBRUN, M.D. JAMES MANNING MOORE, M.D. GEORGE STEPHEN MUNSON, M.D. JOSEPH PATRICK O'BRIEN, M.D. MILES AMBROSE McGRANE, M.D. DANIEL VINCENT O'LEARY, JR., M.D.	AGNES ELIZABETH PAGE, M.D. HARRY RULISON, M.D. H. BURDETTE RIGGS, M.D. RALPH B. POST, M.D. WARD W. MILLIAS, M.D. DANIEL F. O'KEEFE, M.D. JOHN L. EDWARDS, M.D. DONALD A. MACDUFFIE, M.D. CHARLES H. PELTON, M.D. ROYAL E. LAGRANGE, M.D. MAX A. ALMY, M.D. ARTHUR H. STEIN, M.D. WILLIAM E. LOW, JR., M.D. JOHN L. BOTH, M.D.
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JOSEPH H. BOWERS, M.D.

CALENDAR 1912-13

1912

Regular winter session begins.....Tuesday, September 24
 Election vacation.....Monday and Tuesday, November 4 and 5
 Thanksgiving vacation begins.....Wednesday at 1 P. M., November 27
 Lectures resumed.....Monday morning, December 2
 Christmas vacation begins.....Monday morning, December 23

1913

Lectures resumed.....Monday morning, January 6
 Lincoln's birthday, lectures suspended.....Wednesday, February 12
 Washington's birthday, lectures suspended.....Saturday, February 22
 Commencement.....Tuesday, May 27

ENTRANCE REQUIREMENT—The New York State Medical Student Certificate entitles to entrance. Those contemplating the study of medicine should apply to the Examinations Division, New York State Education Department, Albany, by letter or otherwise, if further information than that given on pages 37-39, is desired. One of the examinations will be held in Albany, September 9-11, 1912.

MID-WINTER WRITTEN EXAMINATIONS in all the departments are held in January. A printed schedule of these examinations is furnished the class.

ANNOUNCEMENT

1912-1913*

UNION UNIVERSITY includes the ALBANY MEDICAL COLLEGE, Albany College of Pharmacy, Albany Law School and the Dudley Observatory, all at Albany, and Union College, and the School of Engineering at Schenectady. The ALBANY MEDICAL COLLEGE was organized in 1838 and incorporated in 1839, in which year its first class was graduated. It is the second oldest existing medical school in the State, and since its organization eighty-one courses of instruction have been given and 2,817 students have been graduated.

The course of instruction is graded and extends over four years. The curriculum embraces lectures by professors and lecturers; recitations conducted mainly by instructors, and practical demonstrations, clinical teaching and laboratory work, in which the professors in the different departments are assisted by clinical assistants and demonstrators.

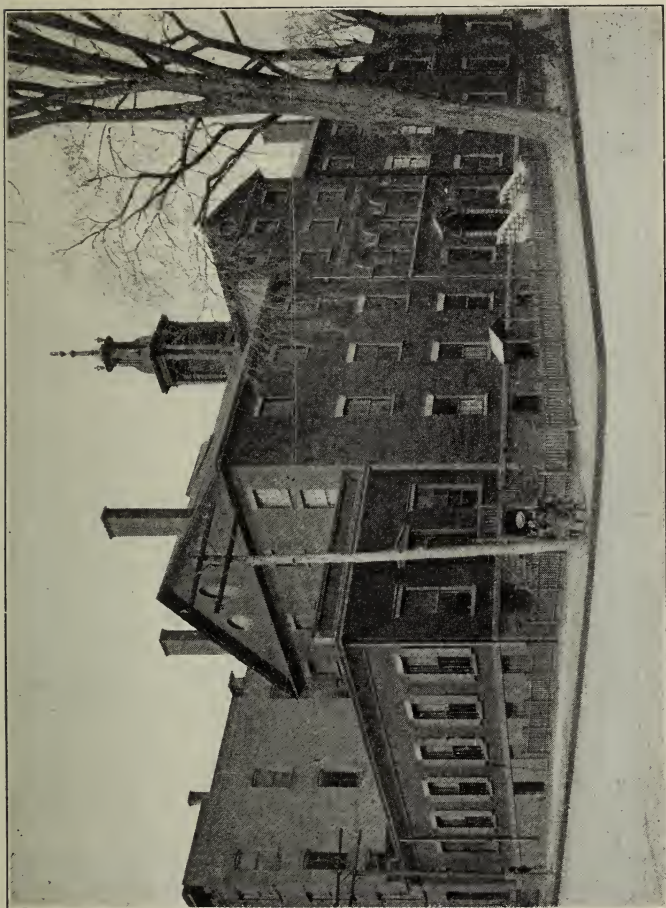
The college building is well appointed in its lecture rooms, laboratories, dissecting rooms and museums. The laboratories in chemistry and physiological chemistry are fitted with every requisite for the use of the classes and the illustration of the lectures, while the BENDER HYGIENIC LABORATORY furnishes admirable facilities for instruction in histology, embryology, pathology, bacteriology and clinical microscopy.

The location of the college is such as to afford superior advantages to the student. The hospitals and dispensaries furnish an abundant supply of material for the illustration of clinical medicine and surgery, while the museums are especially rich in anatomical and pathological preparations. They contain the valuable morbid specimens accumulated by the late Drs. March, Armsby, McNaughton and Haskins, and the pathological speci-

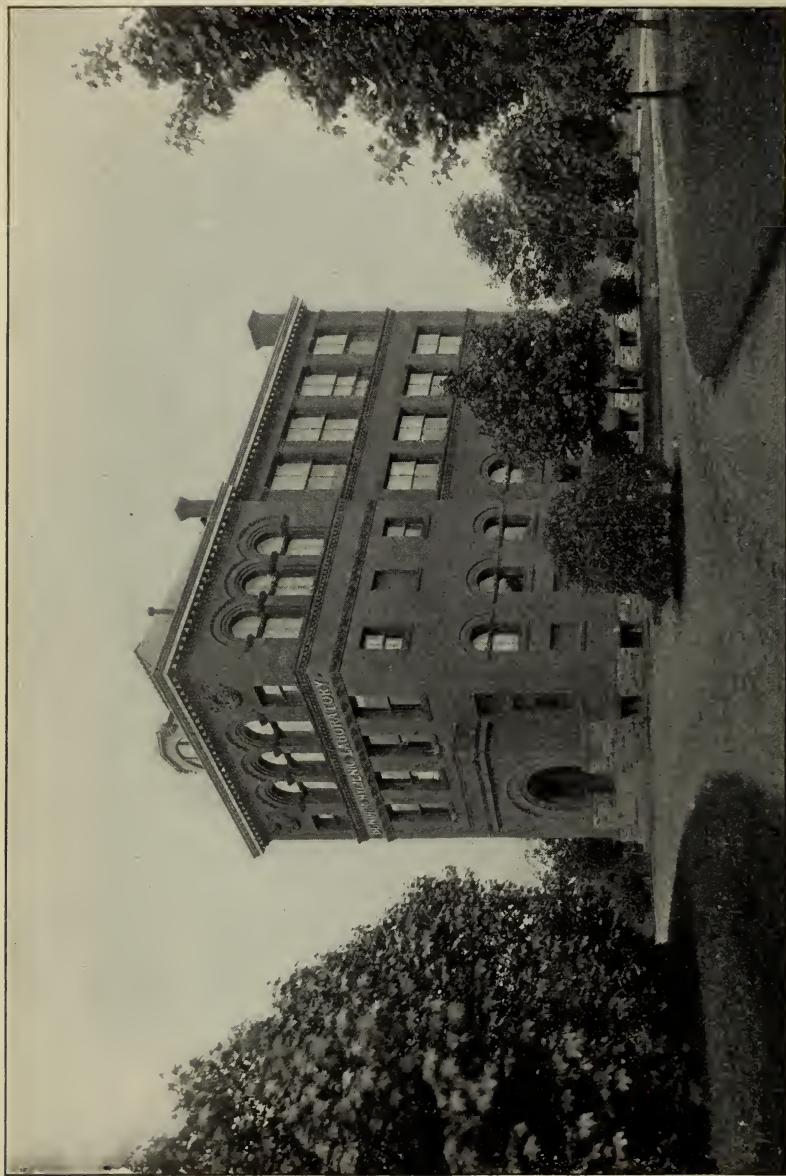
*Announcements of this college are to be considered as applying to the current year only, since all regulations and requirements are subject to change at the close of any session.

mens, the Sydenham Society plates on diseases of the skin and Böck's anatomical models added by Dr. Vander Veer.

The Albany Hospital and its Tuberculosis Department, St. Peter's Hospital, Child's Hospital, St. Margaret's House, Albany's Hospital for Incurables, County Hospital, South End Dispensary, Albany Orphan Asylum, and dispensaries connected with each, are, by the regulation of their governing boards, made available for clinical purposes to the students, and appointments to positions on the house staffs of the Albany Hospital, and other hospitals in Albany and neighboring places, are annually made and are competed for by the members of the graduating class.



ALBANY MEDICAL COLLEGE
Incorporated 1839



BENDER HYGIENIC LABORATORY

COURSE OF INSTRUCTION

The four years' graded course required of all candidates for the degree of doctor of medicine includes the following subjects:

First Year

1. **Anatomy**—three lectures; six hours osteology and dissection.
2. **Inorganic Chemistry**—two and a half lectures; four hours laboratory; one recitation.
3. **Organic Chemistry**—two lectures; one recitation.
4. **Physiology**—two lectures; one recitation; two and a half hours laboratory and demonstration.
5. **Histology**—five hours laboratory; one recitation.
6. **Materia Medica**—three lectures; two recitations.

Lectures $12\frac{1}{2}$; laboratory 9 hours; dissection and demonstration $8\frac{1}{2}$ hours; recitations 6 per week.

Second Year

1. **Anatomy**—two lectures; seven hours dissection and demonstration; two recitations.
2. **Anatomy and Pathology of Nervous System**—one lecture; two hours laboratory.
3. **Organic and Physiological Chemistry and Toxicology**—one and a half lectures; three hours laboratory; one recitation.
4. **Physiology**—one lecture; two and a half hours laboratory; one and a half recitations.
5. **Therapeutics**—one lecture; one-half recitation.
6. **Theory and Practice**—two lectures; one-half recitation.
7. **Surgery (including Pathology)**—two hours laboratory; two lectures.
8. **Bacteriology and Pathology**—seven hours laboratory.
9. **Physical Diagnosis**—one demonstration half the term.
10. **Pharmacology**—one demonstration half the term.

Lectures $10\frac{1}{2}$; dissections and demonstrations 8 hours; laboratory $16\frac{1}{2}$ hours; recitations $5\frac{1}{2}$ per week.

Third Year

1. **Theory and Practice**—five lectures; three recitations; one hour clinics.
2. **Clinical Microscopy**—two and a half hours laboratory.
3. **Therapeutics**—two lectures; one recitation.
4. **Electro-therapeutics**—one lecture half the term.
5. **Obstetrics and Gynecology**—three lectures.
6. **Pediatrics**—two lectures; one recitation half the term.
7. **Neurology**—one lecture; one recitation half the term; one clinic.
8. **Surgery (including operative, fractures, dislocations)**—six lectures; two recitations; three hours clinics.
9. **Physical Diagnosis**—section work two hours.
10. **Medical Jurisprudence**—one lecture half the term.
11. **Hygiene**—one lecture.
12. **X Rays**—one demonstration half the term.
13. **Obstetrical Histology and Pathology**—one hour laboratory.
14. **History of Medicine**—one lecture half the term.
15. **Ophthalmology**—one lecture.

Lectures $22\frac{1}{2}$; laboratory $3\frac{1}{2}$ hours; demonstrations $\frac{1}{2}$ hour; recitations 7; section work 2; clinics 5 per week.

Fourth Year

1. **Theory and Practice**—three lectures; one recitation; two and a half hours clinics.
2. **Neurology**—one lecture; one clinic.
3. **Gynecology**—one

lecture half the term. 4. **Obstetrics**—two and a half lectures. 5. **Surgery (including Orthopedics)**—four lectures; one recitation; three hours clinics. 6. **Specialties**—one recitation. 7. **Conferences**—one medical; one surgical. 8. **Clinical section work**—fourteen hours.

Lectures 11; recitations 3; conferences 2; clinics 6½; clinical section work 14 hours per week.

CLINICS

Third and Fourth Year Classes

WEDNESDAY—10:30 A. M. to 1 P. M., (Medicine, Surgery and Dermatology), Profs. Hun, Van Rensselaer, MacFarlane and Elting, and Dr. Wiltse, 4th year.

12 M., (Surgery), Profs. Vander Veer, Morrow and E. A. Vander Veer, 3d year.

FRIDAY 5 P. M., (Neurology), Prof. Hun, 3d and 4th years.

SATURDAY—10 A. M., (Medicine), Prof. Ward, 3d and 4th years.

11 A. M., (Surgery), Profs. Vander Veer, Morrow, Elting and E. A. Vander Veer, 3d and 4th years.

Fourth Year Class divided into sections

MONDAY—11:30 A. M. to 1 P. M., (Ophthalmology), Prof. Merrill; (Laryngology), Prof. Root.

2:30 P. M. to 4:30 P. M., (Insanity), Cl. Pf. Mosher; (Tuberculosis), Prof. Van Rensselaer; (Gynecology), Prof. Sampson; (Obstetrics), Cl. Pf. Lipes.

TUESDAY—11:30 A. M., to 1 P. M., (Dermatology), Cl. Pf. Sautter; (Neurology and Electricity), Cl. Pf. Mosher; (Otology), Cl. Pf. Bendell.

2:30 P. M. to 4:30 P. M., (Surgery), Prof. Morrow; (Pediatrics, medical), Cl. Pf. Shaw; (Operative Genito-Urinary), Dr. J. N. Vander Veer.

THURSDAY—11:30 A. M. to 1 P. M., (Dermatology), Prof. Curtis; (Laryngology and Rhinology), Cl. Pf. Theisen.

2:30 P. M., to 4:30 P. M., (Medicine), Profs. MacFarlane and Neuman and Dr. Winne; (Tuberculosis), Prof. Van Rensselaer; (Gynecology), Prof. Sampson; (Surgery), Dr. Beilby.

FRIDAY—11:30 A. M. to 1 P. M., (Ophthalmology), Prof. Merrill; (Neurology and Electricity), Cl. Pf. Mosher; (Genito-Urinary), Cl. Pf. Sautter.

2:30 P. M., to 4:30 P. M., (Therapeutics), Prof. Van Rensselaer; (Medicine), Prof. Neuman and Dr. Winne; (Pediatrics, surgical), Pf. Elting; (Surgery), Pf. E. A. Vander Veer.

The provisional order of instruction for the first half of the ensuing session is given in the succeeding pages, and a corrected card will be issued at the opening of the session containing important changes.

ORDER OF INSTRUCTION—1912-1913

FIRST YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY	FRIDAY.	SATURDAY.
9		Recitation in Materia Medica. Dr. FROMM				
10	9 to 11:30 Histological Laboratory Drs. McCORD and AYER	Chemical Laboratory Prof. TUCKER and Mr. LARKIN.	9 to 11:30 Experimental Physiology. Mr. KEETON	Chemical Laboratory. Prof. TUCKER and Mr. LARKIN.	Recitation in Materia Medica. Dr. FROMM	9 to 11:30 Histological Laboratory. Drs. McCORD and AYER
11					Materia Medica. Ad. Prof. DAWES.	
12	Anatomy. Prof. CRAIG.	Materia Medica. Ad. Prof. DAWES.	Anatomy. Prof. CRAIG.	Materia Medica. Ad. Prof. DAWES.	Anatomy. Prof. CRAIG.	Inorganic Chemistry Mr. LARKIN
3	*Inorganic Chemistry Mr. LARKIN	*Inorganic Chemistry Mr. LARKIN	*Inorganic Chemistry. Mr. LARKIN	Inorganic Chemistry Mr. LARKIN.	*Inorganic Chemistry. Mr. LARKIN	
4	Osteology and Dissection. In Sections.	Recitation in Physiology. Dr. E. R. STILLMAN	Osteology and Dissection. In Sections.	Recitation in Histology Dr. JENKINS.	Osteology and Dissection. In Sections.	
5	Drs. DE VOE and DRAKE	Physiology. Prof. GORDINIER.	Drs. DE VOE and DRAKE	Physiology. Prof. GORDINIER.	Drs. DE VOE and DRAKE.	

* Organic Chemistry (Dr. Tucker) last half of Session.

Final Examinations in Inorganic Chemistry, Histology and Embryology, Materia Medica, and in the Organic Chemistry, Physiology and Anatomy of the year.

SECOND YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9		9 to 10:45 Demonstration of Anatomy of Nervous System. Dr. ARCHAM- BAULT.			9 to 11 Bacteriology and Pathology. Prof. BERNSTEIN	Org. Chem. and Toxicol. Prof. TUCKER.
10	9 to 11:30 Experimental Physiology and Pharmacology Mr. KEETON		9 to 11:30 Bacteriology and Pathology. Prof. BERNSTEIN	9 to 11:30 Bacteriology and Pathology. Prof. BERNSTEIN	and Drs. McCORD and AYER	
11		Rec. Pract. and Therap. In Sections. DRS. WINNE and DOUGLAS.	McCORD and AYER	McCORD and AYER		10:30 to 1 Experimental Physiology and Pharmacology Mr. KEETON
12	Therapeutics. Prof. VAN RENS- SELAER.	Theory and Practice. Prof. VAN RENS- SELAER	Org. Chem. and Toxicol. Prof. TUCKER	Theory and Practice. Prof. VAN RENS- SELAER.	Prof. BERNSTEIN and Drs. BRILBY and DRAPER.	
2		Rec. in Anat. In Sections. Dr. LOMAX		Recitation Experimental Physiology		
3	Rec. in Anat. In Sections. Dr. LOMAX	Anatomy. Prof. CRAIG.	2:30 to 6 Dissection DRS. LOMAX, and BOUTON.	Anatomy. Prof. CRAIG.	2:30 to 6 Dissection. DRS. LOMAX, and BOUTON	
4	Minor Surgery Dr. LEMPE	Physiology. Prof. GORDINIER.		Anatomy of the Nervous System. Prof. GORDINIER.		
5	Surg. Technic. Dr. J. N. VANDER VEER.	Org. Chem. and Toxicol. Prof. TUCKER		Recitation in Physiology. Dr. KIRK.		

Final Examinations in Organic and Physiological Chemistry, Anatomy (including that of the Nervous System) Bacteriology and Pathology, Physiology, and in the Therapeutics and Theory and Practice and Surgery of the year.

ORDER OF INSTRUCTION—*Continued*

THIRD YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Neurology. Prof. HUN.	Rec. Surgery Drs. GUMMANN and DRAPER.	Surgery. Prof. ELTING	Surgery. Prof. MORROW.	Surgery. Prof. E. A. VANDER VEER.	Obstetrics. Cl. Prof. LIPES.
10	Theory and Practice. Prof. WARD.	Hygiene. Dr. ROONEY.	Pediatrics. Prof. BOYD.	Recitation Theory and Practice. Dr. WINNE.	Theory and Practice. Prof. WARD.	Med. Clinic Albany Hospital. Prof. WARD.
11	Med. Jurisprud. Prof. MAC- FARLANE. — X Rays. Dr. BERRY	Ophthalmol. Dr. BEDELL.	Obstetrics. Cl. Prof. LIPES.	Electro- Therapeutics. Cl. Prof. MOSHER. — Hist. of Med. Dr. W. STILLMAN	Operative Surgery. Prof. MORROW.	Surgical Clinic Albany Hospital. Profs. VANDER VEER, MORROW, ELTING and E. A. VANDER VEER.
12	Therapeutics. Prof. VAN RENS- SELAER.	Theory and Practice. Prof. VAN RENS- SELAER.	Surgical Clinic, Albany Hospital. Profs. VANDER- VEER, MORROW and E. A. VAN- DER VEER.	Theory and Practice. Prof. VAN RENS- SELAER.	Therapeutics. Prof. VAN RENS- SELAER.	
3	Fractures and Dislocations. Prof. MORROW.	Recitation in Theory and Practice. Dr. CORNING.	Recitation in Surgery. Dr. TRAVER.	2 to 4:15 Clinical Microscopy. Drs. HAWN and SAWYER.	3 to 3:45 Rec. Digestive Diseases.	
4	Phys. Diag. Sec. A. Prof. MAC- FARLANE. Rec. Therapeut. Sec. B. Dr. DOUGLAS	Phys. Diag. Sec. B. Prof. MAC- FARLANE. Rec. Therapeut. Sec. A. Dr. DOUGLAS.	Gynecology Prof. SAMPSON.	4:15 to 5 Pediatrics. Cl. Pf. SHAW.	3:45 to 4:45 Obstet. Histol. and Pathol. Cl. Prof. LIPES	
5	Surgical Diagnosis. Dr. DONHAUSER		Recit. Neurol. and Pediat. In Secs. Cl. Pf. SHAW and Dr. ARCH'BAULT.	Digestive Diseases. Prof. NEUMAN.	Neurological Clinic. Prof. HUN.	

Final Examinations in Therapeutics, Neurology and Diagnosis (including Clinical Microscopy, Physical Diagnosis and Medical Jurisprudence), and in the Surgery, Obstetrics, Practice (and Hygiene) of the year.

FOURTH YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Neurology. Prof. HUN.	Orthopedic Surgery. Prof. MORROW.	Surgery. Prof. ELTING.	Surgery. Prof. MORROW.	Surgery. Prof. E. A. VANDER VEER.	Surgical Conference. Dr. GUTMANN.
10	Theory and Practice. Prof. WARD.	Obstetrics. Prof. BOYD.	10:30 to 1 Med. Surg. & Der- matol. Clinics St. Peter's.	Obstetrics. Prof. BOYD.	Theory and Practice. Prof. WARD.	Medical Clinic, Albany Hospital. Prof. WARD.
11			Pfs. HUN, VAN RENSSELAER, MACFARLANE, and ELTING and Dr. WILTSE.			Surgical Clinic, Albany Hospital. Profs. VANDER VEER, MORROW, ELTING and E. A. VANDER VEER.
12	Clinical Work. Class Divided into Sections.	Clinical Work. Class Divided into Sections.	Recitation in Theory and Practice. Prof. NEUMAN.	Clinical Work. Class Divided into Sections.	Clinical Work. Class Divided into Sections.	
3			Medical Conference. Prof. HUN.			
4						
5	Obstetrics and Gynecology. Pf. SAMPSON and Cl. Pf. LOCHNER.	Recitation in Surgery. Drs. TRAVER, DONHAUSER and DRAPER.	Rec. in Specialties. Pf. ROOT, Cl. Pf. SAUTTER and Dr. ARCH'BAULT.	Digestive Diseases. Prof. NEUMAN.	Neurological Clinic. Prof. HUN.	

Final Examinations in Theory and Practice, Surgery, Obstetrics, Neurology, and in Specialties.

CLINICAL COURSES, 1912-13

(The class divided into four sections)

SECTION A

HOOR.	DATE	MONDAY.	TUESDAY.	THURSDAY	FRIDAY.
11:30 to 12:45	September 30 to November 15.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Dermatology Dr. Curtis Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Dispen.
	November 18 to January 24.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital	Ophthalmology Dr. Merrill Albany Hospital.
	February 3 to March 21.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	March 24 to May 9.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Dermatology Dr. Curtis Alb.Hos.& S.E.Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.
2:30 or 3 to 4:30	September 30 to November 15.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis. & Tb. Pav.	Oper. Gen. Urin. Dr. J.N. VanderVeer Albany Hospital.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis. & Tb. Pav.	Therapeutics Dr. Van Rensselaer Alb., St. P. & Ch. H.
	November 18 to January 24.	Obstetrics Dr. Lipes Albany Hospital.	Pediatrics (medical) Dr. Shaw St. Margaret's House	Medicine Dr. MacFarlane St. Peter's Hospital.	Pediatrics (surgical) Dr. Elting Child's Hospital
	February 3 to March 21.	Insanity Dr. Mosher Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Medicine Dr. Neuman Albany Hospital.	Medicine Dr. Neuman Albany Hospital.
	March 24 to May 9.	Insanity Dr. Mosher Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Surgery Dr. Beilby Albany Hospital.	Surg. Drs. E.A. Van- derVeer and J. Ben- dell, Alb. Hospital.

SECTION B

HOOR.	DATE.	MONDAY.	TUESDAY.	THURSDAY.	FRIDAY.
11:30 to 12:45	September 30 to November 15.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Dermatology Dr. Curtis Alb.Hos.& S.E.Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.
	November 18 to January 24.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Dermatology Dr. Curtis Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Disp'sry
	February 3 to March 21.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	March 24 to May 9.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
2:30 or 3 to 4:30	September 30 to November 15.	Insanity Dr. Mosher Albany Hospital.	Pediatrics (medical) Dr. Shaw St. Margat. House.	Surgery Dr. Beilby Albany Hospital.	Surg. Drs. E.A. Van- derVeer and J. Ben- dell, Alb. Hospital.
	November 18 to January 24.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis & Tb. Pav.	Oper. Gen. Urin. Dr. J.N. VanderVeer Albany Hospital.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis. & Tb. Pav.	Therapeutics Dr. Van Rensselaer Alb., St. P. & Ch. H.
	February 3 to March 21.	Obstetrics Dr. Lipes Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Medicine Dr. MacFarlane St. Peter's Hospital.	Pediatrics (surgical) Dr. Elting Child's Hospital.
	March 24 to May 9.	Insanity Dr. Mosher Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Medicine Dr. Neuman Albany Hospital.	Medicine Dr. Neuman Albany Hospital.

CLINICAL COURSES—Continued

SECTION C

HOOR.	DATE.	MONDAY.	TUESDAY.	THURSDAY.	FRIDAY.
11:30 to 12:45	September 30 to November 15.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	November 18 to January 24.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb. Hos. & S. E. Dis.	Dermatology Dr. Curtis Alb. Hos. & S. E. Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.
	February 3 to March 21.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb. Hos. & S. E. Dis.	Dermatology Dr. Curtis Alb. Hos. & S. E. Dis.	Genito-Urinary Dr. Mosher South End Disp'sry
	March 24 to May 26	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
2:30 or 3 to 4:30	September 30 to November 15.	Insanity Dr. Mosher Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Medicine Dr. Winne Albany Hospital.	Medicine Dr. Winne Albany Hospital.
	November 18 to January 24.	Insanity Dr. Mosher Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Surgery Dr. Beilby Albany Hospital.	Surg. Drs. E. A. Van- derVeer and J. Ben- dell, Alb. Hospital.
	February 3 to March 21.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis. & Tb. Pav.	Oper. Gen. Urin. Dr. J. N. VanderVeer Albany Hospital.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis. & Tb. Pav.	Therapeutics Dr. Van Rensselaer Alb., St. P. & Ch. H.
	March 24 to May 9.	Obstetrics Dr. Lipes Albany Hospital.	Pediatrics (medical) Dr. Shaw St. Marg. House.	Medicine Dr. MacFarlane St. Peter's Hospital.	Pediatrics (surgical) Dr. Elting Child's Hospital.

SECTION D

HOOR.	DATE.	MONDAY.	TUESDAY.	THURSDAY.	FRIDAY.
11:30 to 12:45	September 30 to November 15.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	November 18 to January 24.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Laryn. & Rhin. Dr. Theisen St. Peter's Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	February 3 to March 21.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb. Hos. & S. E. Dis.	Dermatology Dr. Curtis Alb. Hos. & S. E. Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.
	March 24 to May 9.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb. Hos. & S. E. Dis.	Dermatology Dr. Curtis Alb. Hos. & S. E. Dis.	Genito-Urinary Dr. Sautter South End Disp'sry
2:30 or 3 to 4:30	September 30 to November 15.	Obstetrics Dr. Lipes Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Medicine Dr. MacFarlane St. Peter's Hospital.	Pediatrics (surgical) Dr. Elting Child's Hospital.
	November 18 to January 24.	Insanity Dr. Mosher Albany Hospital.	Surgery Dr. Morrow Child's Hospital.	Medicine Dr. Winne Albany Hospital.	Medicine Dr. Winne Albany Hospital.
	February 3 to March 21.	Insanity Dr. Mosher Albany Hospital.	Pediatrics (medical) Dr. Shaw St. Marg. House.	Surgery Dr. Beilby Albany Hospital.	Surg. Drs. E. A. Van- derVeer and J. Ben- dell, Alb. Hospital.
	March 24 to May 9.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis. & Tb. Pav.	Oper. Gen. Urin. Dr. J. N. VanderVeer Albany Hospital.	T'bc'losis & Gyn. Drs. Van R. & Sampson S. E. Dis. & Tb. Pav.	Therapeutics Dr. Van Rensselaer Alb., St. P. & Ch. H.

NOTE :—During the first quarter some changes will be made on Monday and Thursday forenoons as announced.

OUTLINES OF COURSES

Theory and Practice of Medicine, etc.

PROFS. WARD, CURTIS, HUN, VAN RENSSELAER, MACFARLANE, ROOT, NEUMAN AND BERNSTEIN; CL. PROFS. MOSHER, SAUTTER, THEISEN; AD. PROF. ARCHAMBAULT AND DRs. ROONEY AND HAWN.

Theory and Practice. Prof. Ward delivers a systematic course of lectures to the third and fourth year classes, and Prof. Van Rensselaer to the second and third year classes. Prof. Hun conducts each week a medical conference in which students report cases which they have seen and examined and these reports are criticised by the class. These courses are supplemented by study in a standard text-book; weekly recitations are held on the subject matter of the lectures, and a course upon gastro-enteric diseases is given by Prof. Neuman to the fourth year class. Hygiene is taught in lectures which have special reference to the needs of the general practitioner.

Clinical Medicine. Prof. Ward holds a medical clinic each week, at the Albany Hospital, and Prof. Hun each week, at St. Peter's Hospital, before the third and fourth year classes. In these clinics students have opportunities to examine cases, their examination and diagnosis being criticised by the professor.

Neurology, Insanity and Medical Jurisprudence. The instruction in neurology extends over three years. It commences in the second year during which Prof. Gordinier gives each week an illustrated lecture on the anatomy and physiology, and Ad. Prof. Archambault a laboratory exercise of two hours a week, devoted to the gross and microscopic study of the normal and pathological anatomy of the nervous system. The third and fourth year classes are taught by Prof. Hun. During the third year the class attends one didactic and one clinical lecture and one recitation on diseases of the nervous system each week throughout the year and a demonstrative lecture on electro-therapeutics during one-half of the year. During the fourth year the students attend one didactic and one clinical lecture, and one recitation on diseases of the nervous system each week throughout the year. Each patient exhibited is assigned to two students, who having examined him previously, report on the case at the clinical lecture. During the fourth year also, the class being divided into small groups, each student is trained in the out-patient department in the methods of examination of patients. Practical work in the administration of electricity is also given to each student during the fourth year, the class being divided into sections.

Insanity: The fourth year class, divided into sections, receives clinical instruction under Cl. Prof. Mosher in mental disorders in the wards of Pavilion F at the Albany Hospital.

Medical jurisprudence is taught by weekly didactic lectures during one-half of the year.

Diseases of the Skin. Prof. Curtis presents this subject in the clinical courses and illustrates it fully by the exhibition of cases and plates.

Diseases of the Throat and Nose. This subject is presented in the clinical courses by Prof. Root and Cl. Prof. Theisen in such manner that the student is familiarized with the diseases of these parts and made acquainted with the various methods for the examination and treatment of laryngeal and nasal disorders, individual instruction being given to each student.

Physical diagnosis. The third year class divided in sections are taught practically the principles and signs of physical diagnosis in the examination of the body both in health and disease under Prof. MacFarlane. The second year class in small divisions receive practical instruction during the second term in the examination of the normal chest by Drs. Corning, Douglas and Meyers.

Clinical Microscopy. The third year class has practical laboratory work in microscopy, including the examination of the urine, blood, sputum, feces, cerebro-spinal fluid, exudates and transudates for clinical diagnosis.

Surgery

PROFS. A. VANDER VEER, MERRILL, MORROW, ELTING AND E. A. VANDER VEER; CL. PROFS. BENDELL, SAUTTER, AND DRs. MOORE, LEMPE, J. N. VANDER VEER, BEDELL, WILTSE, GUTMANN, DONHAUSER, TRAVER AND BERRY.

In the lectures on surgical pathology, the method by which tissues are nourished in health having been discussed, the subjects of hypertrophy and atrophy are taken up, and then attention is given to the pathology of the methods by which wounds heal, and to the processes of inflammation, suppuration, ulceration, gangrene, necrosis, septicemia, pyemia, sapremia, poisoned wounds, etc. A considerable portion of the surgical course is devoted to pathology, in which students should be well grounded during the college course. The course in operative surgery, by Prof. Morrow, is thorough and includes all the usual operations. Material for the illustration of this course is abundant, and students are given opportunities to operate upon a cadaver. In the department of principles and practice of surgery, particular attention is paid to the subject of diagnosis, and all didactic teaching upon the various branches of surgery is richly illustrated in the clinical material furnished by the several hospitals of the city.

Fractures and Dislocations. This subject is treated practically in a course of lectures in which the various fractures and dislocations are illustrated by a specially prepared skeleton. The employment of the various means for the reduction of dislocations and the preparation of splints and other surgical appliances, is taught in the lecture room, followed by clinical instruction at the hospital, students being required to examine and diagnose injuries, and to select, prepare and apply proper dressings for reduction and the retention of the appliances used. A very complete Roentgen ray apparatus is employed and its use is taught in every detail by frequent demonstrations.

Ophthalmology and Otology are taught by both didactic and clinical lectures and recitations, the students being required to examine and diagnose the cases. Practical exercises are held in the use of the ophthalmoscope, the determination of glasses and the performance of various operations. The eye and ear clinics are held every Monday and Friday at noon during the year.

Orthopedic Surgery is taught by lectures combined with clinical instruction, the various hospitals furnishing an abundance of material for the illustration of this important subject.

Genito-Urinary Diseases. Diseases of the genito-urinary system are taught in the fourth year by lectures and practical exercises in clinical instruction, the sections of the class doing actual consultation work and discussing the cases exhibited. The groundwork of this subject is taught in the various clinics, including actual handling of cases and the use of the cystoscope, segregator, endoscope, ureteral catheterization and functional diagnostic work on the kidneys by means of the various tests. In this way students are made familiar with the various clinical reasonings whereby surgical diagnoses and prognoses are arrived at and proper treatment determined.

Obstetrics, Gynecology and Diseases of Children

PROFS. BOYD AND SAMPSON; CL. PROFS. LIPES, LOCHNER AND SHAW.

These subjects are treated in courses of didactic and clinical lectures on the science and art of obstetrics; on gynecology, and on the diseases of children. Recitations are held weekly during the term. Members of the senior class are required each to attend six or more cases of labor. Practical instruction in obstetrics is given at the Albany Hospital and also in the obstetric department of the Albany Guild for the Care of the Sick. Clinical material for the course in pediatrics is obtained from the Child's Hospital, St. Margaret's House for Infants, the Albany Orphan Asylum, the Lathrop Memorial, the dispensary of the Albany Hospital and the South End Dispensary. A course is given at the Bender Laboratory in obstetrical and gynecological histology, embryology

and pathology by lantern slide demonstrations and the exhibition of suitable specimens.

Gynecology is treated by a course of class room studies in which the various normal and abnormal conditions of the pelvic organs are presented to the students in the form of illustrated problems which they are asked to solve. The solution of these problems is supplemented by additional information necessary to complete the subject under discussion. This exercise is held once a week throughout the entire junior, and one-half of the senior year. Practical instruction is given to the senior class (in small groups) at the South End Dispensary.

Chemistry

PROF. TUCKER, AD. PROF. KEETON, AND MR. LARKIN.

The courses in this department include lectures upon the principles of chemistry; the non-metals, and metals, with their more important medicinal compounds; and organic and physiological chemistry, which is very fully treated, including urinalysis and toxicology. Pharmacopœial compounds receive especial attention, and considerable time is given to the chemical examination of potable water and other matters pertaining to sanitary chemistry as related to water supply, sewage disposal, ventilation, disinfection, food adulteration and kindred topics. Inorganic chemistry is studied during the first half of the first year, and organic chemistry, to the aromatic compounds, during the second half of this year. In the second year organic chemistry is completed in the first half of the year and the study of physiological chemistry is pursued during the latter half of the year in the laboratory. The lectures are abundantly illustrated and recitations are held in each department.

Anatomy

PROFS. CRAIG, GORDINIER AND BERNSTEIN, AND DRs. LOMAX AND BOUTON.

The course in anatomy consists of explanatory lectures and recitations, with illustrations and demonstrations from the human subject and preparations from the museum. A lantern with complete outfit for reflection and projection with microscopic attachment has been added to the equipment and is frequently used for demonstrations during the anatomical lectures. The course extends through the first and second years. Students are also required to take practical courses during the first and second years on those systems which are lectured upon during those years and to dissect during the second year under the demonstrator of anatomy and assistants not less than the lateral half of a human cadaver. While systematic anatomy is made the basis of study for the first and second year, the practical application of anatomy

to medicine and surgery is explained in the lectures, and regional anatomy given prominent consideration in the dissecting-room work.

Beginning with the session of 1912-13, a full time Instructor in Anatomy will be at the college daily throughout the session to assist students in their anatomical laboratory work and to make available for instruction all museum specimens and to prepare demonstrations of fresh material for the instruction of the students.

Histology and embryology are taught by practical laboratory work as elsewhere described.

Materia Medica, Pharmacology and Therapeutics

PROF. VAN RENSSELAER; ADJ. PROF. DAWES, AND CL. PROF. MOSHER.

The didactic lectures on materia medica are illustrated by all the official crude drugs, together with prints and specimens of the various official compounds and preparations. In addition there has been added a practical course, in which the organic crude drugs are carefully studied in detail and instruction is given in the methods used in compounding the various important pharmacopœial preparations. The pharmacological action of many of the important drugs is likewise shown experimentally. In the lectures on therapeutics, which extend through the second and third years, a course is given on prescription writing; and a comprehensive study of the therapeutics of drugs by classes is made. Special attention is given to the demonstration of the action of therapeutic agents, and to the methods of their administration.

During the third year the presentation of the different means and methods of medication resorted to in the treatment of disease is continued, and a separate course on physiological therapeutics is added, including Swedish movements, massage, ærotherapeutics, climatology, hydrotherapeutics, balneotherapy, dietetics, hypnotism, the rest cure, etc. A special course is given in electrotherapeutics. Recitations are held weekly.

Physiology

PROF. GORDINIER AND ADJ. PROF. KEETON.

Didactic and experimental lectures are given upon this subject to the first and second year classes throughout the college term. These lectures are profusely illustrated by the aid of a projectoscope and lantern, portable microscopes, models and diagrams. Special attention is paid to the physiology of the circulation, digestion, absorption, secretions, animal heat and metabolism. A large part of the lectures to the second year class by Prof. Gordinier are devoted to the very modern physiology of the nervous system and localization.

The experimental physiology forms a systematic and graded course, extending through the first year and half the second. Special importance is placed upon the student observing for himself and understanding the fundamental facts of physiology. Further mention of the course is made elsewhere.

PRACTICAL CLINICAL COURSES

In order to familiarize students with the practical work of their profession, and to bring them into closer personal contact with patients, the fourth year class is divided into sections of eight or ten men, and on four days in each week each man devotes several hours to the examination and personal observation, under the supervision of the instructors, of patients in the wards and out-patient departments of the various hospitals and dispensaries. In this clinical work especial attention is devoted to the complete examination of the blood, urine, sputum and stomach contents, as well as to the special examination of the eye, ear and other organs. Thus in the course of the school year the men in each section acquire practical knowledge and technical diagnostic dexterity in general medicine, general surgery, gynecology, dermatology, neurology, insanity, otology, laryngology, ophthalmology, rhinology, diseases of children and infants, infant feeding, diseases of the rectum and genito-urinary tract, operative surgery, orthopedic surgery, clinical and operative obstetrics, electrotherapeutics and medical technic.

LABORATORIES

Practical Chemistry

The chemical laboratory is well furnished, conveniently arranged and supplied with all necessary apparatus. The laboratory course is preceded, since although some knowledge of chemistry is highly desirable none is now *required* at entrance, by a series of lessons upon chemical nomenclature, notation and the essential principles of theoretical chemistry, including the laws of combination and valence, and these subjects are therefore more briefly treated in the regular lecture course. The practical laboratory work includes tests for those metals and acids, which, in combination, are important as constituents of medicinal compounds or as poisons, together with the separation of the chief groups, volumetric analysis, the examination of unknown substances and toxicology. All chemical reactions are written upon the black-board, discussed by the class, and entered upon their notes.

Experimental Physiology and Physiological Chemistry

The object of the course in practical physiology is to have the student formulate for himself ideas with regard to the normal working of the animal body. The laboratory work is introduced by an elementary consideration of the cell and its functions, ciliary

motions, etc. This is followed by a detailed study of the phenomenon of contraction. The remainder of the first year is then devoted to a very careful consideration of the physiology of digestion and nutrition. Among other things the physiological functions of the salivary, gastric, pancreatic and liver secretions are demonstrated and studied by means of artificial fistulae. The course is continued during the second year with a careful study of the circulation, respiration, and the physiology of the nervous system. Finally the attention of the class is directed to the physiological action of many of the more important drugs.

After the Christmas vacation the study of physiological chemistry is begun. Laboratory work in this subject consists in the isolation, preparation and identification by tests, of the various important proteins, fats and carbohydrates. The composition of the tissues and organs is next studied with special reference to their most important constituents; the chemistry of digestion, secretion and excretion then receives attention in relation to the several physiological processes involved. Finally there follows a thorough course in qualitative and quantitative urinalysis. The student is provided with a syllabus of the lectures and laboratory work and required to keep systematic notes of all lectures and experiments actually performed. The practical work is interspersed with lectures and recitations.

Anatomy

The dissecting and demonstration laboratories and the recitation rooms are well lighted and equipped and an ample supply of carefully prepared material is available. An endeavor is made to make the entire course in anatomy practical, consistent and useful, and to assist the student in laying a broad foundation of anatomical knowledge on which to build future courses in didactic and clinical medicine and surgery.

Histology, Embryology, Pathology, Bacteriology and Clinical Microscopy

Work in these departments is carried on in the Bender Hygienic Laboratory, on South Lake Avenue, near the Albany Hospital.

This building was erected by the late Matthew W. Bender of Albany, and is thoroughly equipped with the apparatus necessary for the study of histology, pathology, bacteriology and clinical microscopy. Practical work in these branches is obligatory upon all students, and abundant opportunity is furnished in the laboratory for acquiring a thorough knowledge of these important subjects. An electric lantern which is adapted to the projection of pictures and microscopic preparations as well as lantern slides is used to supplement the more practical methods of demonstration.

Histology. The work consists of explanatory talks covering the subject of the day's study, followed by practical exercises in the laboratory.

Embryology. The star-fish egg is studied for early segmentation stages; gross and microscopic examination of a series of hen's eggs for formation of germ layers and development of the nervous and vascular systems. In a similar way the embryo of the pig is used for the development of the organs which is taken up again, according to the plan of Lewis, when each organ is studied histologically.

Bacteriology. The work consists of lectures followed by practical laboratory exercises. It is intended to render the student familiar with the underlying principles of bacteriology and their application to clinical medicine and surgery.

Pathology. The work consists of a short lecture on the subject under discussion for the day followed by practical exercises in pathological anatomy and histology. Besides this the students are instructed in the technique of making autopsies, and examine material from autopsies and surgical operations. Demonstrations in experimental pathology are introduced whenever possible.

Clinical Microscopy. The course consists of preliminary talks followed by practical work in the examination of blood, urine, sputum, fæces, stomach contents, exudates, etc.; and includes a short course in clinical bacteriology.

In all these courses the student is taught independent methods of work and is required to keep a permanent record, illustrated by drawings, of all laboratory exercises.

A limited number of students who have shown proper aptitude are offered the opportunity to work along more advanced lines.

For the alumni of this school, and for the profession at large, this laboratory offers excellent facilities for bacteriological and pathological examination of specimens, and for the examination of urine, sputum, and blood, including the Wassermann-Noguchi reaction. Information regarding such examinations may be obtained by communicating with Dr. H. S. Bernstein, Director, Bender Laboratory, South Lake Avenue, Albany.

ENTRANCE REQUIREMENTS

All matriculates must secure 60 academic counts or their full equivalent (see pages 37-39), before beginning the first annual course counted toward the degree.

Medical Student Certificate—When all requirements are fulfilled, the regents issue a medical student certificate which the candidate must file with the Registrar of the college.

Address all communications relating to these examinations to Examinations Division, New York State Education Department, Albany, N. Y., and not to this college.

FEES AND EXPENSES

Fees, excepting the final examination fee, are payable each year in advance, are not returnable, and are as follows:

FIRST YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Chemical Laboratory	10 00
Histological Laboratory	10 00
Dissection (including material)	5 00
	<hr/> \$130 00

SECOND YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Dissection (including material)	10 00
Bacteriological and Pathological Laboratory	15 00
Physiological Chemistry and Experimental Physiology ..	15 00
	<hr/> 145 00

THIRD YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Clinical Microscopy and Pathology	15 00
	<hr/> 120 00

FOURTH YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Final Examination	25 00
	<hr/> 130 00
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In addition to the fees above stated, an annual charge of two dollars is made to members of the first, second and third year classes, for the use of microscopes and other apparatus. This fee is paid to the director at the Bender Laboratory after laboratory tickets have been issued by the registrar. For the laboratory work in physiological chemistry there is a fee of two dollars to cover use of apparatus and breakage payable to the director at the beginning of the session.

All fees are payable strictly in advance except that the final examination fee may be paid at any time before the examinations begin. Graduates of the school may attend lectures and stated clinics without charge except for matriculation in case of prolonged attendance.

The cost of living in Albany is less than in most other cities of its size. A list of boarding houses is kept by the janitor, and

also at the Students' Club, at which good rooms and board can be obtained at from four to five dollars a week or upwards, and by clubbing together students can live comfortably at still lower rates. No estimate can well be made of cost of text-books and other personal expenses since these of necessity vary greatly in different cases.

BOOKS RECOMMENDED

FOR TEXT BOOKS.	BOOKS RECOMMENDED FOR REFERENCE.
ANATOMY—Gray, Cunningham's Manual . . .	Cunningham, Piersol, Holden-Hewson, Toldt's
ANATOMY NERVOUS SYSTEM—Gordinier . . .	Edinger, Dejerine, Van Gehuchten. [Atlas.
HISTOLOGY—Stöhr (Lewis)	Schafer, Szymonowicz, Ferguson [McConnell]
PATHOLOGY—Delafield & Prudden	Zeigler, Stengel, Mallory and Wright, Adami,
BACTERIOLOGY—Jordan	Muir and Ritchie, McFarland, Park, Hiss & Zinzer
PHYSIOLOGY—Howell.	Landois, Schaefer, Foster, Tigerstedt.
EXPER. PHYSIOL.—Alcock and Ellison.	Beddard, Krehl, Busch, Brodie, Stewart.
MATERIA MEDICA—Wood's Pharm. and Ther.	Nat. Dispens., U. S. Phar., Nat. Formulary
PHARMACOLOGY—Pembrey and Phillips.	Cushney, Sollmann, Dixon, Tyrode.
THERAPEUTICS—Hare	Foster.
ELECT. THERAP. AND DIAG.—Turner, Mosher	Hedley.
THROAT AND NOSE—Kyle.	Coakley, Shurley, Bosworth.
INORGAN. CHEM.—Sadtlir and Coblentz.	Holland, Simon, Bartley, Witthaus.
ANALYTICAL CHEMISTRY—Laboratory Notes	Bartley Clin. Chem., Rockwood.
ORGANIC CHEMISTRY—Sadtlir & Coblentz.	Bartley, Richter, Holland.
PHYSIOL. CHEMISTRY—Hawk.	Long, Hammersten, C. E. Simon, Hoppe-Seyler.
MED. JURISPRUD. AND TOXICOL.—Reese	Hamilton, Wormley, Herold, Autenrieth.
CHEMISTRY OF URINE—Tyson.	Ogden, Saxe, Purdy.
THEORY AND PRACTICE—Anders.	Osler, Thompson, Tyson, Wood and Fitz, Edwards and Hare, Forcheimer.
GASTRO-ENTERIC DISEASES—Hemmeter.	Boaz.
PHYS. DIAG.—Musser, MacFarlane.	Le Fevre, Anders.
CLIN. MICROSCOPY—Syllabus	Simon, Emerson, Sahli, Faught, Todd.
HYGIENE—Bergey.	Harrington, Rohé and Robin.
MENTAL DISEASES—Syllabus	Clouston.
DERMATOLOGY—Jackson.	Hyde, Crocker, Pusey, Schamberg, Van Harlingen.
NEUROLOGY—Hun's Syllabus, Hun's Diagnosis	Church & Peterson, Starr.
HISTORY OF MEDICINE—Park.	Baas.
FRAC. AND DISLOCATIONS—Stimson.	Scudder, Cotton.
PRIN. AND PRAC. SURG.—Mumford	Parks, Da-Costa, Fowler, Rose and Carless, Lexer-Bevan, Keen's System.
SURGICAL PATHOLOGY—Warren	Billroth-Winiwarter, Senn.
OPERATIVE SURGERY—Bryant.	Kocher, Smith, Binnie, McGrath, Bickham.
ASEPTIC TREATMENT WOUNDS—Beck.	Thornbury.
SYPHILIS—White & Martin	Keyes, Morrow, Taylor, Morton, Fournier.
GENITO-URINARY—Greene-Brooks	Watson and Cunningham, Cabot, Pilcher, Faught.
SURGICAL DIAGNOSIS—Berg.	Eisendrath, Albert. Martin.
MINOR SURGERY—Wharton.	Foote.
ORTHOPEDIC SURGERY—Bradford & Lovett.	Young, Whitman.
ABDOMINAL SURGERY—Douglas	Moynihan, Noble and Kelly.
SURGICAL ANATOMY—Campbell.	Fuchs, DeSchweinitz.
OPHTHALMOLOGY—May	Dench, Politzer.
OTOLOGY—Barnhill & Wales.	
OBSTETRICS—Jewett.	King, Williams, Hirst.
GYNECOLOGY—Sampson.	Kelly's Med. Gynecology.
DISEASES OF CHILDREN—Holt.	Rotch, Koplik Kerley, Pfaunder and Schlossman (Shaw).

DICTIONARY—Stedman Med. Dict., Dorland Med. Dict., Gould, Lippincott Med. Dict.

PRIZES AND HOSPITAL APPOINTMENTS

The S. Oakley Vander Poel prize, consisting of a clinical microscope, is awarded to the senior student passing the best bedside examination in general medicine. This prize was endowed by Mrs. Vander Poel in memory of her husband for many years a professor in this college.

Professors Vander Veer and Elting offer a prize of seventy-five dollars for the best report of the surgical clinics held during the session, and Professor Morrow and Dr. Traver offer a prize of a complete pocket case of instruments for the second best report of these clinics.

Professor Merrill offers a prize consisting of an ophthalmoscope for the best final examination in ophthalmology.

The Townsend physiological prize, endowed by the late Prof. Franklin Townsend, Jr., M. D., is awarded to the student passing the best examination in physiology at the expiration of his first year of study in that branch.

Professor Boyd offers a case of instruments to the senior student passing the best final examinations in obstetrics.

A prize consisting of a case of surgical instruments, in memory of the late Dr. T. W. Nellis (A. M. C., '81), is offered by his brother, Dr. W. J. Nellis (A. M. C., '79), of Albany, to the senior student having the highest standing at the end of the session.

The Daggett trust. Pursuant to the provisions of a bequest by the late Dr. Nathan G. Daggett, of Schenectady, N. Y., an alumnus of the college of the class of '67, the following prizes are announced for the ensuing year:

I. For the best "anatomical specimens," a first prize of sixty dollars, and a second prize of thirty dollars. In 1913 these prizes will be awarded to the students presenting the best and second best series of specimens, prepared under the direction of the demonstrator of anatomy, indicating original research by the competitors.

For the methods of preparation of the specimens to be competed for this year and for the formulae to be used in the injections, application can be made to the Professor of Anatomy.

Preparations must be ready to be deposited with the professor of anatomy by May 10, 1913. All specimens submitted in competition for the prizes are to be the property of the college, whether awarded prizes or not. Prizes will be awarded only to preparations of merit. Further information may be obtained from the professor of anatomy.

2. For the best "deportment irrespective of scholarship," as determined by the faculty, a first prize of sixty dollars, and a second prize of thirty dollars, these prizes restricted to members of the graduating class.

At or about the close of each session, vacancies occur in the house staffs of the Albany and other hospitals and these are filled by competitive examinations, open to the members of the graduating class.

REQUIREMENTS FOR GRADUATION

The candidate must be twenty-one years of age, and exhibit a certificate from a physician or surgeon, duly authorized by law to practice his profession, that he has studied medicine and surgery under his instruction during the period required by law in this state (see page 40, sec. 4), and he must present evidence of having complied with the law concerning preliminary examination (see pages 37-39).

He must have attended not less than four regular courses of lectures of which the last shall have been at this college.

Students who have attended one or more courses of lectures at other recognized medical colleges may be admitted to advanced standing in this college if they submit proper evidence of such attendance and a precise statement of subjects included in "Examination Departments," page 29, in which satisfactory final examinations have been passed, and comply with the requirements stated under "Examination Rules," page 30. No credit will be given for work done elsewhere in fourth year departments.

He must be of good moral character.

He must maintain a satisfactory standing during his course and pass satisfactory final examinations in the several branches taught.

Regular and punctual attendance is required, and matriculation tickets are endorsed with attendance at the end of the term.

For catalogues or further information, address

WILLIS G. TUCKER, M. D., *Registrar*,

July 1, 1912.

Albany, N. Y.

EXAMINATION DEPARTMENTS

First Year

1. Chemistry (inorganic, laboratory work and first half organic)—Dr. Tucker and Mr. Larkin.
2. Anatomy—Dr. Craig.
3. Materia medica—Drs. Van Rensselaer and Dawes.
4. Physiology (including experimental physiology)—Dr. Gordinier and Mr. Keeton.
5. Histology and embryology—Drs. Bernstein and McCord.

Second Year

1. Chemistry (last half organic, toxicology and physiological chemistry)—Dr. Tucker and Mr. Keeton.
2. Anatomy (and of the nervous system)—Drs. Craig and Gordinier.
3. Bacteriology and pathology—Dr. Bernstein.
4. Therapeutics and practice—Dr. Van Rensselaer.
5. Physiology (including experimental physiology)—Dr. Gordinier and Mr. Keeton.
6. Surgical pathology, minor surgery and technic—Drs. Bernstein, Lempe and J. N. Vander Veer.

Third Year

1. Therapeutics (including electro-therapeutics)—Drs. Van Rensselaer and Mosher.
2. Theory and practice (and hygiene)—Drs. Van Rensselaer, Ward, Neuman and Rooney.
3. Surgery (including surgical pathology, operative surgery and fractures and dislocations)—Drs. A. Vander Veer, Morrow, Elting, E. A. Vander Veer and Bernstein.
4. Obstetrics, pediatrics and gynecology—Drs. Boyd, Sampson and Lipes.
5. Neurology and diagnosis (including clinical microscopy, physical diagnosis and medical jurisprudence)—Drs. Hun, Macfarlane and Hawn.

Fourth Year

1. Theory and Practice—Drs. Ward and Neuman.
2. Surgery (including orthopedic)—Drs. A. Vander Veer, Morrow, Elting and E. A. Vander Veer.
3. Obstetrics and gynecology—Drs. Boyd and Sampson.
4. Neurology and insanity—Drs. Hun and Mosher.
5. Eye and ear, dermatology and throat and nose—Drs. Merrill, Curtis, Root and Bendell.

EXAMINATION RULES

A student who, at the end of the college year, as the result of his work and examination combined, is deficient in more than three departments of the first, second or third year, is debarred from continuing with his class and from commencing the work of the succeeding year and must repeat the year's work and is examined in *all* subjects at the end of the year.

A student not so debarred who fails in one or more departments is required to pass in October an examination in the subjects of the department or departments in which he has failed. If, as a result of this examination, his mark is still below the passing mark in more than one department he is debarred from continuing the work of the next higher year, but in case he fails in October in only one department he is allowed to continue with his class. A list of the departments is given on the preceding page and any department may include several subjects or branches.

The examination of students of the first, second or third year classes who failed in one or more departments in the spring examinations is held in October (for 1912 in week beginning October 7), and students failing in this examination in only one department may take the examination in the following spring.

STUDENTS 1911-1912

Fourth Year

NAME	RESIDENCE
Max Alonzo Almy	Corning
Horace Edward Auringer	Cohoes
Bertram Truman Baker	Warrensburg
Clifton Bogardus	Catskill
John Lawrence Both	Albany
Joseph Henry Bowers	Albany
John Joseph Cahill	Hudson Falls
Alton Brooks Daley	Coxsackie
Sol Charles Davidson	Rochester
John Lounsbury Edwards	Randall
**Clayton Longueville Gifford	Valley Falls
George Augustine Green	Mechanicville
Paul Pattengill Gregory	Mt. Vision
Walter Robert Grunewald	Gloversville
John Duncan Gulick	Cranbury, N. J.
Vasileos Michael Koundourianes, B. A.	Albany
Royal Estabrook La Grange	Glens Falls
Albert Lenz	Johnstown
Norman Howe Liberty	Ticonderoga
Charles Immanuel Loebie	Troy
William Edgar Low, Jr.	Catskill
Donald Angus MacDuffie	Olean
Domenico Carlantonio Mauro	Gloversville
Joseph Ambrose McPhillips	The Glen
Ward Winthrop Millias, Ph. B.	Castleton
James Henry Mitchell, Jr.	Cohoes
Floyd Hazard Moore	Herkimer
Clarence Edmond Mullens	Albany
Homer Hollett Oaksford	Gloversville
Daniel Francis O'Keeffe	Hadley
Daniel Tobias Read	Charleston, S. C.
Fred Lester Ritter	Albany
Michael Augustine Rogers	Schuylerville
William Henry Seward	Amsterdam
George Aaron Sharp	Westfield, Mass.
Arthur Henry Stein, B. S.	Albany
Charles Edward Stott	Albany
Sterling Wallace Todd	Hyde Park
William Trotter	Troy
Floyd Alberti Weed	Catskill
Jerry West	Gallupville
Arthur Hastings Wheeler	Troy
Ira Condict Whitehead, Jr	Albany

Third Year

William Alfred Ackroyd, B. S.	East Schodack
Wesley Mason Adams	Davenport
Morris Bryan Beecroft	Schaghticoke
Orvis Adoniram Brenenstuhel	Petersburg
Darwin Alfred Bruce	Albany
John Leonard Byrnes	Schenectady
Garrett Marcellus Clowe	Schenectady

** Completed course in 1911.

NAME	RESIDENCE
Walter Roy Liddel Coakley.....	Buffalo
Rufus Baker Crain.....	Richfield Springs
Nathaniel Crost	Saratoga Springs
Burke Diefendorf	Fort Plain
Jacob Drooz	Albany
Dwight Guilford Dudley.....	Maine
Hugh Vincent Foley	Watervliet
George Victor Genzmer.....	Pittsfield, Mass.
Elmer Ray Gladstone.....	Shavertown
Hugh Sewell Gregory.....	Horseheads
Raymond Hensel	Buffalo
Harry Smith Howard.....	Albany
Alson Joy Hull.....	Williamstown, Mass.
Eugene Fellner Hull.....	Berlin
Ray Holly Humphrey.....	Rensselaer
William James Jones.....	Amsterdam
Whitney Hotaling Joyce.....	Unadilla
William Herman Ladue.....	Beekmantown
Roy Ludlum Lippincott.....	Campbell Hall
John Wellington Mambert	Churchtown
Schuyler McCulloch Martin.....	Albany
Raymond Francis McAloon.....	Keeseville
Michael Edward Nolan.....	Eagle Bridge
†Henry Bernard O'Keeffe	Luzerne
Elmer Harrison Ormsby.....	South Glens Falls
John Swart Parker	Oneonta
Robert Edward Plunkett	Troy
William Carl Rausch, Jr.	Albany
Conrad Aloysius Rissberger.....	Albany
Ernest Charles Schultz	Schenectady
Woodard Shaw	West Hebron
Walter Joseph Smith.....	Port Leyden
Axel Fridolf Swanson	Southampton, Mass.
John Daniel Tidaback	Bloomfield, N. J.
Harold Dwyer Tobin	Chateaugay
Guy Brownell Van Alstine	Canajoharie
*James John Walsh, LL. B.	Waterloo
Frank John Williams	Utica
Leon Wolff	Brooklyn
Charles Wesley Woodall	Schenectady

Second Year

David Wiltsie Beard	Cobleskill
John Peter Byrnes.....	Pittsfield, Mass.
Edward James Callahan.....	Mechanicville
Daniel Francis Carmody.....	Albany
George Clay Carter.....	Albany
William Henry Casey	Troy
John Kenneth Crandall.....	Wappingers Falls
George Jacob Culver.....	Schenectady
Daniel Sylvester Cunning.....	Troy
Arthur Manning Curran.....	North Adams, Mass.
Frank Edgerton Deeds.....	Schenectady
Albion James Fitzgerald.....	Albany
Frank Furlong	Highland
John Warren Gard	Auburn
Clarence Gardinier	Schenectady

* Matriculant only.

† Not in attendance.

NAME	RESIDENCE
Parker Arthur Groff.....	Rome
Robert Wilhelm Helm.....	Saratoga Springs
John Thomas Hopkins Hogan.....	Troy
William Patrick Howard.....	Albany
Edwin Horton Huntington.....	Hopewell Junction
Harry Vincent Judge	Albany
Clarence Giles Kirby	Nassau
Wilbur Foster MacDonald.....	Schenectady
James Breese McCormick.....	Troy
John Stoddard McCormick, Ph. G.	Albany
Thomas Hugh McGrail.....	Albany
Burton Carr Miller, B. S.	Albany
Floyd Guy Nellis	Boonville
Wilber Sylvester Newell	Syracuse
Vincent John Thomas O'Neill.....	Highland Falls
Julius Joseph Padula	Albany
Harry Day Parkhurst.....	West Winfield
Charles Adelbert Perry	Rome
Robert Reid, Jr.	Schenectady
Harry Stephen Reynolds, B. S.....	Schenectady
Edward Louis Robbins	Syracuse
James Israel Schoonmaker	West Coxsackie
Frank Arthur Searle	Southampton, Mass.
Lewis Jeriah Smith	Westfield, Mass.
Theron Smith	Newburgh
Leo Ross Tighe	Cohoes
William Bernice Davidson Van Auker.....	Voorheesville
Gregori Osepovitch Volovic	Albany
William Irving Walsh	Troy
John Waluk	Amsterdam
Willard Elmer Wheelock.....	Canajoharie
Cecil Charles Whittimore	Albany
Fred DeGrande Wilson	Downsville
Laurence Randolph Worrell	Greene
Harry Theodore Wygant	Watervliet

First Year

James MacFeeters Archibold.	Cohoes
Percy Huntly Austin	Warrensburg
Walter Schneider Bennett	Hartford
Thomas McGrath Brennock	Albany
John Edward Burke	Schenectady
John Dennis Carroll	Troy
Hugh Smith Chidester	Saugerties
Samuel Colliss	New York
Arthur Hiram Congdon	Fort Plain
† Frank Vernon Craig	Solvay
Albert Nelson Crouch	Troy
Stephen Horace Curtis	Troy
Gerald Edward Dailey	Gloversville
Frank Edward Dean, Jr.	South Shaftsbury, Vt.
Frederick Graham Decker	Rensselaer
Irwin Van Olinda Decker	Troy
Edward Thomas Delehanty	Albany
* Harry Depan	Indian Lake
Arthur Maultby Dickinson	Albany
William Francis Dooley	Hoosick Falls

* Matriculant only.

† Not in attendance.

NAME	RESIDENCE
Francis Thomas Duffy	Troy
Loyal Lindsey Dunlop	Stony Creek
James Manning Dunn	Schenectady
Lawrence Joseph Early	Schenectady
Frederick George Eaton	Saratoga Springs
Arthur Joseph Edson	Oneonta
Eugene Aurelius Eicher, A. B.	Albany
Guy Fish	Indian Lake
James Walter Fitzgerald	Troy
Patrick Joseph Fitzgibbons	Amsterdam
Hector Joseph Gibeau	Cohoes
Edmund Joseph Glacken	Amsterdam
Stephen William Grainer, Jr.	Rensselaer
Joseph Arthur Gratton	Troy
Gabriel Emmett Greeley	Cohoes
Leon Willis Green	East Springfield
William Lester Grogan	Rome
Ralph Marsh Hall	Rensselaer
Raoul Albert Hebert	Cohoes
John Edward Heslin	Saratoga Springs
Lloyd Louis Hollenbeck	Catskill
Sarkis Keyork Keshishian, A. B.	Schenectady
Stanley Morton King	Urlton
† Harold Levi	Rochester
Milton Lester Lewis	Brooklyn
James Sarsfield Lyons	Albany
Earl Cunningham MacCordy	Amsterdam
Enrique Martinez	Ocampo Coah, Mexico
William Bernard McKeon	Troy
* Arthur Milton McKersie	Glenfarrow, Ontario, Canada
* Harry Scott Monthey	Indian Lake
* Rollin Huntington Moody	Saratoga Springs
John Leo Mulcahy	Cohoes
Henry Frederick James Muller	Rensselaerville
Martin Alvin Murphy	Hoosick Falls
William Francis Nealon	Hoosick Falls
James Madison Neary	Watervliet
Charles Luman Nichols	Philmont
John Joseph O'Connor	Albany
Jonathan Pearson, B. S.	Schenectady
Theodore Dorris Reed	Albany
George Stiles Reitter	Stepney Depot, Conn.
Homer Isaac Rexford	Watervliet
Albert Roberts	Cohoes
William Joseph Ryan	Newport
Ernest Raymond Schilling	East Chatham
Frank Phillip Schneider	Utica
Benjamin Herman Shapiro	Glens Falls
Byron Gray Shults	Johnstown
† Isador Samuel Siegel, Ph. G.	Yonkers
Robert Cunningham Simpson, Jr.	Amsterdam
William Patrick Sweeney	Saratoga Springs
Harry Anthony Taylor	Hudson
John David Thomas	Pownal, Vt.
Charles William Tomlinson	Lansingburg
Leonard Kip Van Dyck, A. B.	Philmont
Herbert Austin Vogel	Albany
Fred Vosburgh	Cobleskill
Archibald Albert Walker	Callicoon
John Joseph Ward	Johnstown
Henry Russel Washbon	Morris
Earl Charles Waterbury	Campbell Hall
Bernath Weiss	Brooklyn

*Matriculant only.

† Special course.

†Not in attendance.

SUMMARY

Fourth Year Class	43
Third Year Class	47
Second Year Class	50
First Year Class	83

GRADUATES OF 1912

Commencement Exercises Held at Odd Fellows' Hall

Tuesday, May 14, 1912

NAME	RESIDENCE
Max Alonzo Almy	Corning, N. Y.
Horace Edward Auringer	Cohoes, N. Y.
Bertram Truman Baker	Warrensburg, N. Y.
Clifton Bogardus	Catskill, N. Y.
John Lawrence Both	Albany, N. Y.
Joseph Henry Bowers	Albany, N. Y.
John Joseph Cahill	Hudson Falls, N. Y.
Alton Brooks Daley	Coxsackie, N. Y.
Sol Charles Davidson	Rochester, N. Y.
John Lounsbery Edwards	Randall, N. Y.
George Augustine Green	Mechanicville, N. Y.
Paul Pattengill Gregory	Mt. Vision, N. Y.
Walter Robert Grunewald	Gloversville, N. Y.
John Duncan Gulick	Cranbury, N. J.
Vasileos Michael Koundourianes, B. A.	Albany, N. Y.
Royal Estabrook La Grange	Glens Falls, N. Y.
Albert Lenz	Johnstown, N. Y.
Norman Howe Liberty	Ticonderoga, N. Y.
Charles Immanuel Loeble	Troy, N. Y.
William Edgar Low, Jr	Catskill, N. Y.
Donald Angus MacDuffie	Olean, N. Y.
Domenico Carlantonio Mauro	Gloversville, N. Y.
Joseph Ambrose McPhillips	The Glen, N. Y.
Ward Winthrop Millias, Ph. B.	Castleton, N. Y.
James Henry Mitchell, Jr.	Cohoes, N. Y.
Floyd Hazard Moore	Herkimer, N. Y.
Clarence Edmond Mullens	Albany, N. Y.
Homer Hollett Oaksford	Gloversville, N. Y.
Daniel Francis O'Keeffe	Hadley, N. Y.
Daniel Tobias Read	Charleston, S. C.
Fred Lester Ritter	Albany, N. Y.
Michael Augustine Rogers	Schuylerville, N. Y.
William Henry Seward	Amsterdam, N. Y.
George Aaron Sharp	Westfield, Mass.
Arthur Henry Stein, B. S.	Albany, N. Y.
Charles Edward Stott	Albany, N. Y.
Sterling Wallace Todd	Hyde Park, N. Y.
William Trotter	Troy, N. Y.
Floyd Alberti Weed	Catskill, N. Y.
Jerry West	Gallupville, N. Y.
Arthur Hastings Wheeler	Troy, N. Y.
Ira Condict Whitehead, Jr.	Albany, N. Y.
and	
Clayton Longueville Gifford	Valley Falls, N. Y.

who will receive his diploma September 16, 1912.

PRIZES AND HOSPITAL APPOINTMENTS

1912

Vander Poel prize, for best bedside examination in general medicine, to Dr. John L. Edwards. Honorable mention to Dr. John L. Both.

Vander Veer-Elting prize, for best report of surgical clinics to Dr. Ward W. Millias.

Morrow-Traver prize, for second best report, to Dr. Donald A. MacDuffie.

Merrill prize, for best final examination in ophthalmology, to Dr. William H. Seward.

Townsend prize, for best examination in physiology at end of first year of study, to Mr. Martin A. Murphy.

Boyd prize, for best final examination in obstetrics, to Dr. William H. Seward.

Nellis prize, for best final senior examination, to Dr. William H. Seward.

Daggett trust prizes, for best anatomical preparations, first to Mr. John Waluk; second to Mr. Edwin H. Huntington.

Daggett trust prizes, for the best deportment, first to Dr. John D. Gulick; second to Dr. Domenico C. Mauro.

Bedell prize, for the best report of eye and ear clinics, to Dr. Horace E. Auringer.

Appointed Essayist for 1913, Ray H. Humphrey.

ALBANY HOSPITAL APPOINTMENTS.—Drs. John L. Edwards, Ward W. Millias, Floyd A. Weed, Max A. Almy, Daniel F. O'Keeffe, Donald A. MacDuffie and Royal E. La Grange.

ST. PETER'S HOSPITAL.—Drs. Arthur H. Stein, William E. Low, Jr., John L. Both and Joseph H. Bowers.

HOMEOPATHIC HOSPITAL, Albany.—Drs. Clarence E. Mullens, Sterling W. Todd, Daniel T. Read and Charles I. Loebke.

TROY HOSPITAL.—Drs. Norman H. Liberty, Bertram T. Baker, Domenico C. Mauro and Alton B. Daley.

SAMARITAN HOSPITAL, Troy.—Drs. Michael A. Rogers, Paul P. Gregory and William Trotter.

ELLIS HOSPITAL, Schenectady.—Drs. George A. Sharp, James H. Mitchell, Jr., and Albert Lenz.

PHYSICIANS' HOSPITAL, Schenectady.—Dr. Jerry West.

COHOES HOSPITAL.—Dr. Walter R. Grunewald.

PUNXSUTAWNEY HOSPITAL, Pa.—Dr. Clifton Bogardus.

GLENS FALLS HOSPITAL.—Dr. Horace E. Auringer.

GOUVERNEUR HOSPITAL, New York City.—Dr. William H. Seward.

METROPOLITAN HOSPITAL, New York City.—Drs. John J. Cahill and Joseph A. McPhillips.

NATHAN LITTAUER HOSPITAL, Gloversville.—Dr. Homer H. Oaksford.

METHODIST EPISCOPAL HOSPITAL, Brooklyn.—Dr. Floyd H. Moore.

JERSEY CITY HOSPITAL, N. J.—Dr. Sol C. Davidson.

ST. ELIZABETH'S HOSPITAL, Utica.—Dr. Arthur H. Wheeler.

MEDICAL STUDENT EXAMINATIONS

PUBLIC HEALTH LAW, CH. 45 OF THE CONSOLIDATED LAWS.

To provide for the preliminary education of medical students:

The degree of bachelor or doctor of medicine shall not be conferred in this state before the candidate has filed with the institution conferring it the certificate of the regents that before beginning the first annual medical course counted toward the degree unless matriculated conditionally as hereinafter specified, he had either graduated from a registered college or satisfactorily completed a full course in a registered academy or high school; or had a preliminary education considered and accepted by the regents as fully equivalent; or held a regents' medical student certificate; or passed regents' examinations securing 60 academic counts, as provided in the rules of the regents, or their full equivalent, before beginning the first annual medical course counted toward the degree, unless admitted conditionally as hereinafter specified. A medical school may matriculate conditionally a student deficient in not more than one year's academic work or 15 counts of the preliminary education requirement provided the name and deficiency of each student so matriculated be filed at the regents' office within three months after matriculation, and that the deficiency be made up before the student begins the second annual medical course counted toward the degree; provided, however, that on and after the taking effect of this act (Jan. 1, 1913) medical schools shall not matriculate conditionally students who are deficient in any part of the preliminary educational requirements.

Regents Revised Rules

In determining a candidate's qualifications for matriculation in a medical school or for admission to the medical licensing examinations, the Regents will accept as equivalent to the required academic education any one of the following:

a A certificate of having successfully completed at least one full year's course of study in the collegiate department of any college or university registered by the Regents as maintaining a satisfactory standard. Certificates should be issued in due form by the president, dean or principal of the institution; and should be executed under seal or acknowledged before a notary, unless the institution is in the University of the State of New York and the signature of the officer issuing is well known in the Education Department.

b A certificate of having passed in a registered institution examinations equivalent to the full collegiate course of the freshman year or to a completed academic course. Three full academic years of satisfactory work may be accepted as such an academic course if completed before August 1, 1896; four full academic years to be afterward required.

c A Regents academic diploma, or 48 Regents academic counts earned under any syllabus prior to that of 1905, 60 such counts earned under the latter syllabus as specified below.

d A certificate of graduation from a registered gymnasium in Germany, Austria or Russia.

e A certificate of the successful completion of a course of five years in a registered Italian ginnasio and three years in a liceo.

f The bachelor's degree in arts or science, or substantial equivalents from a registered institution, in France or Spain.

g A credential from a registered institution or from the government in a state or country which represents the completion of a course of study equivalent to graduation from a registered New York high school or academy, or from a registered Prussian gymnasium.

h Evidence of completion in a registered school of one or more years of satisfactory high school work, and Regents examinations in subjects representing the balance of the required four-year course.

All applicants for qualifying certificates upon equivalents from foreign countries other than those in which English is the language of the people, all or any part of which equivalent certificates are earned or issued in said foreign countries, shall pass the Regents examination in second year English.

A candidate that is unable to offer a certificate from a registered institution of having done the required academic work on presenting to the Regents satisfactory evidence of the fact that, and the time when, such work was done, may after demonstrating sufficient educational proficiency by passing Regents examinations, have a Regents certificate showing that the required preliminary academic education was acquired at the time established by the said evidence.

After February 1, 1911, the medical student certificate issued upon examination, must be earned as follows:

English, three years, 10 counts; elementary algebra, 5 counts; plane geometry, 5 counts; physics and chemistry, 10 counts, or physics and biology, 10 counts, or chemistry and biology, 10 counts; any second year foreign language, 10 counts; American history with civics, 5 counts; electives, 15 counts.

The electives shall be, English fourth year, 3 counts; Latin second year, or Greek second year, or French second year, or German second year, or Spanish second year, or Italian second year, or Hebrew second year, 10 counts; advanced algebra, 5 counts; advanced arithmetic, 2 counts; physical geography, 5 counts; ancient history, 5 counts; history of Great Britain and Ireland, 5 counts; modern history I, 3 counts; modern history II, 3 counts; economics, 2 counts; elementary bookkeeping and business practice, 3 counts; advanced bookkeeping and office practice, 5 counts; shorthand I, 5 counts; shorthand II, 5 counts; elementary representation,

2 counts; advanced design, 2 counts; advanced representation, 2 counts. Partial equivalent qualifying certificates must be based on the same group requirements.

This new rule applies to students in the school who seek to earn qualifying certificates upon examination as well as to those who take the special examinations given by the Department at Albany, Buffalo, New York and Syracuse.

Hereafter only candidates for qualifying certificates, who are not enrolled in a school giving Regents examinations, will be admitted to the special examinations at Albany, Buffalo, New York and Syracuse, and all such candidates must secure admission cards from Albany 10 days in advance of the examination.

When all requirements are fulfilled, the Regents grant on receipt of 25 cents a medical student certificate, which shows the subjects and their values.

On receiving this certificate, the candidate must send it to the secretary or recording officer of the university or college at which he intends to study medicine.

Address all communications relating to these examinations to Examinations Division, New York State Education Department, Albany, N. Y., and not to this college.

Dates of Regents examinations for the academic year 1912-1913: 1912, September 9-11; 1913, January 20-24; June 16-20; September 15-17.

NOTE—September examinations will be held in Albany for medical students, and also in New York, Syracuse and Buffalo. Other examinations will be held at different points throughout the State. Particulars concerning these examinations may be obtained by addressing Examinations Division, New York State Education Department, Albany, N. Y.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN NEW YORK STATE

All requirements for admission should be completed at least one week before examinations.—They are as follows:

1. Evidence that applicant is more than 21 years of age (Form 1).
2. Certificate of moral character from not less than two physicians in good standing (Form 1).
3. Evidence that applicant has the general education required, preliminary to receiving the degree of bachelor or doctor of medicine in this state. (Medical student certificate. See handbook No. 3, Examinations).
4. Evidence that applicant has studied medicine not less than four school years, including four satisfactory courses of at least seven months each, in

four different calendar years in a medical school registered as maintaining at the time, a standard satisfactory to the Regents. New York medical schools and New York medical students shall not be discriminated against by the registration of any medical school out of the state, whose minimum graduation standard is less than that fixed by statute for New York medical schools.

First exemption: "The regents may in their discretion accept as the equivalent for any part of the third and fourth requirement, evidence of five or more years reputable practice of medicine, provided that such substitution be specified in the license."

a For matriculates prior to January 1, 1897, in lieu of all the preliminary requirement and one year of the professional requirement.

b For matriculates between January 1, 1897, and January 1, 1911, in lieu of one year of the preliminary requirement and one year of the professional requirement.

c For matriculates after January 1, 1911, no acceptance of reputable practice for any part of either the third or fourth requirement.

5. Evidence that applicant "has received the degree of bachelor or doctor of medicine from some registered medical school, or a diploma or license conferring full right to practice medicine in some foreign country." (Form 2.)

6. The candidate must pass examinations in (1) anatomy, (2) physiology, (3) chemistry, (4) hygiene and sanitation, (5) surgery, (6) obstetrics and gynecology, (7) pathology and bacteriology, and (8) diagnosis. The questions shall be the same for all candidates.

Second exemption: "Applicants examined and licensed by other state examining boards registered by the regents as maintaining standards not lower than those provided by this article, and applicants who matriculated in a New York state medical school before June 5, 1890, and who received the degree M. D. from a registered medical school before August 1, 1895, may without further examination, on payment of \$25 to the regents and on submitting such evidence as they may require, receive from them an indorsement of their licenses or diplomas, conferring all rights and privileges of a regents' license issued after examination." Indorsements of Michigan, Ohio, Delaware, Indiana, Utah and Wisconsin licenses are now possible.

7. A fee of \$25 payable in advance.

An applicant 19 years of age certified as having studied medicine not less than two years including two satisfactory courses of at least seven months each, in two different calendar years in a medical school registered as maintaining at the time a satisfactory standard, may be admitted conditionally to the examination in (1) anatomy, (2) physiology, (3) chemistry.

Medical Examinations

Examinations for license to practice medicine in this state will be held as follows:

DATES		PLACES
1912	1913	New York
Sept. 17-20	Jan. 28-31	Albany
	May 20-23	Syracuse
	June 24-27	Buffalo
	Sept. 23-26	Each candidate is notified as to exact place

Daily Program

Morning 9:15	Afternoon 1:15
<i>Tuesday</i>Anatomy.....	Physiology
<i>Wednesday</i> ...Chemistry.....	Hygiene and sanitation
<i>Thursday</i> Surgery.....	Obstetrics and gynecology
<i>Friday</i>Pathology and bacteriology.....	Diagnosis

Address all communications relating to State licenses and examinations to Examinations Division, New York State Education Department, Albany, N. Y., and not to this college.

STUDENTS' CLUB, BRANCH OF ALBANY Y. M. C. A.

Organized in 1906; its object being to deepen the spirituality of college men and encourage the most helpful and co-operative relationships between the students of Albany. Club rooms have been maintained yearly for students. This fall we purpose maintaining a real home for students, a students' club house, where will be found the best of reading, a piano, pool table and comfortable sitting room. Board and room may be had here for an amount per week proportionate with actual cost of same.

Student committees will continue as heretofore. Study classes will be organized to meet the needs of college men.

Students coming to Albany for their first year's work will be met at the respective colleges by club members who will gladly give any information, and assist all such men to find good rooming and boarding houses.

THE 1913 SKULL

The Senior Class announce that on or about March 1, 1913, they will publish the fourth volume of THE SKULL. The book will contain illustrations and literary material relating to the faculty, classes, fraternities, clubs and other matters of interest. THE SKULL board requests the co-operation of the students, faculty and alumni in making the book creditable to the college and interesting to its friends. Communications should be addressed to Frank J. Williams, Editor-in-Chief, or Alson J. Hull, Business Manager.

ALBANY LAW SCHOOL

DEPARTMENT OF LAW—UNION UNIVERSITY
ESTABLISHED 1851.

The law school occupies a building wholly devoted to its use. It is situated upon one of the finest avenues in the city in close proximity to the Capitol, State Law Library, Law courts, etc.

With the term ending June 6, 1912, the school completed its sixty-first year. Since its establishment upwards of six thousand students have attended its lectures and among its graduates are numbered many of the most successful and honorable members of the bench and bar, and of the executive departments of the country.

It has been and is the aim of the school to combine, as thoroughly as possible, the theoretical and practical in its scheme of instruction.

The local advantages of the city of Albany as the seat of a school of instruction in the law are unsurpassed.

The course leading to the degree of LL.B. is three years.

Students who have spent one or two years in an office may enter the second year class upon passing a satisfactory examination, and may graduate at the end of the course but without a degree.

The next course begins September 17, 1912.

For catalogues or further information, address

Albany Law School,
Albany, N. Y.

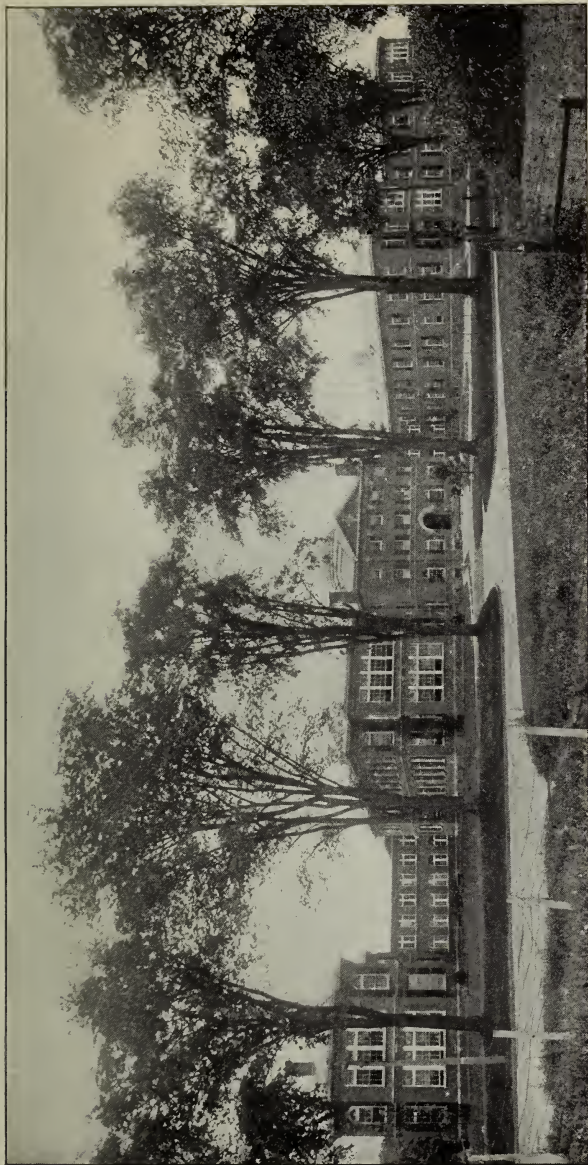
DUDLEY OBSERVATORY, ALBANY

The Dudley Observatory was founded in 1852. In 1874 it became, by act of the legislature, a department of Union University. It is located on Lake Avenue, southwest of Washington Park. Visitors are admitted only on Tuesday evenings, from 8 o'clock to 10, and on passes obtained from the members of the board of trustees.

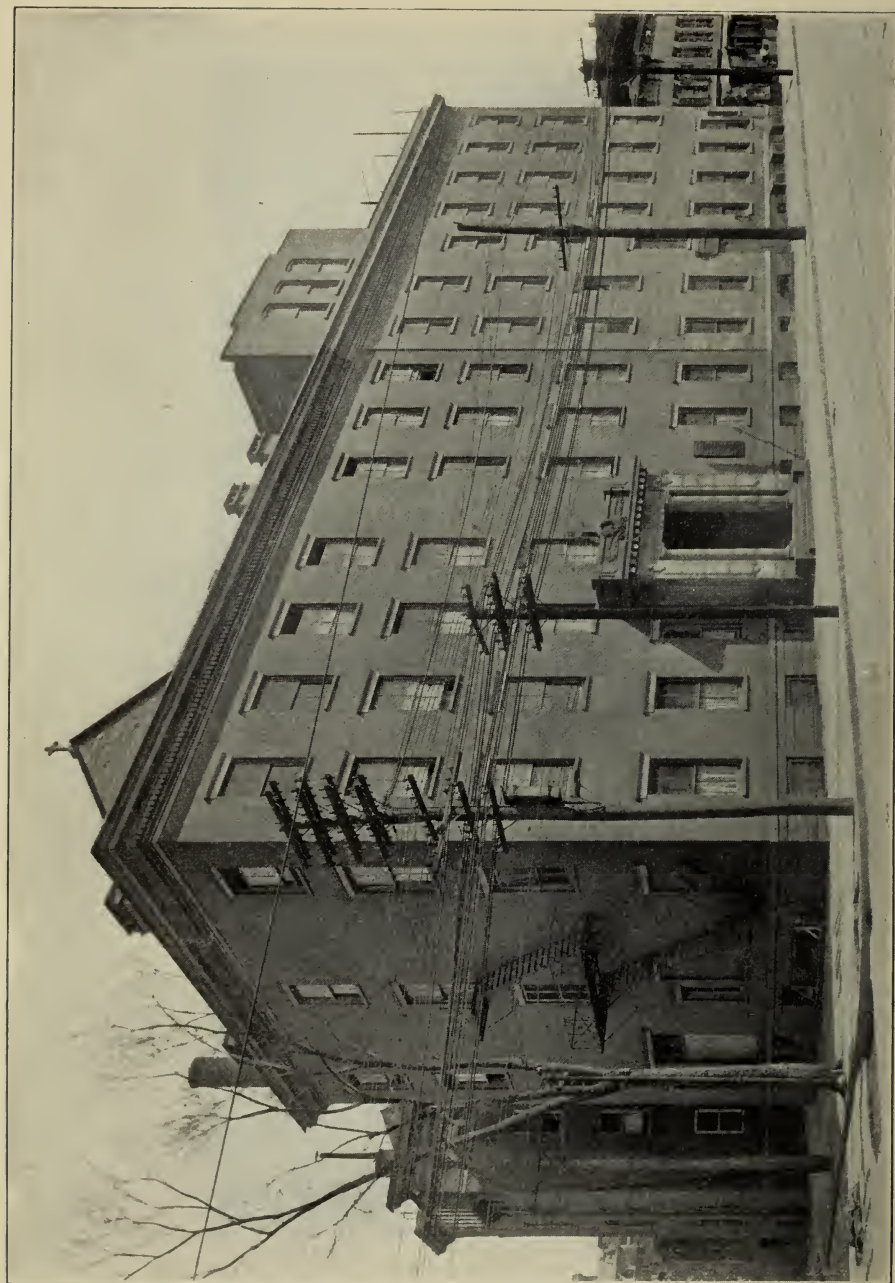
Instruction is given to special students.

For further information, address

PROFESSOR LEWIS BOSS, LL.D.,
Director of the Dudley Observatory,
Albany, N. Y.



THE ALBANY HOSPITAL
Incorporated 1840



ST. PETER'S HOSPITAL

ALBANY MEDICAL ANNALS

The ALBANY MEDICAL ANNALS was established in 1880 for the purpose of recording the transactions of the Medical Society of the County of Albany, and items of medical interest to the medical profession generally. In 1891 the ANNALS became the Journal of the Alumni Association of the Albany Medical College, and has extended its field to cover all branches of medicine and surgery, under the direction of editors for each department. The yearly volume now consists of approximately nine hundred text pages.

The ANNALS is published on the first of every month. The subscription price is two dollars a year in advance.

Original articles, items of medical importance and correspondence upon topics of current interest are solicited.

Communications and subscriptions should be addressed

ALBANY MEDICAL ANNALS,
170 Washington Avenue, Albany, N. Y.

ALBANY HOSPITAL TRAINING SCHOOL FOR NURSES

The training school for nurses was organized in December, 1896, and incorporated in April, 1897. Its objects are the improvement of the nursing service in the Albany Hospital and the education of nurses. A three year course of instruction has been adopted, including lectures by the members of the medical and surgical staffs of the hospital and other physicians, recitations to the Superintendent of Nurses, and practical ward instruction in the care of the sick and injured under the direction of graduate nurses.

Pupils are received as probationers, and after acceptance by the Superintendent of the Training School, enter upon the regular course of study.

No fees are charged for instruction, the services rendered in the wards of the hospitals being accepted as an equivalent. After the first three months an allowance of seven dollars a month for necessary expenses, clothing, books, etc., is granted the pupils of the school.

No applicants are considered who do not express their willingness and intention to remain throughout the full course of three years. For information address,

SUPERINTENDENT OF THE TRAINING SCHOOL,
Albany Hospital, Albany, N.Y.

UNION COLLEGE

The college offers undergraduate courses leading to the degrees of A. B., Ph. B., B. S., and B. E., as follows:

1. *Courses leading to the degree of A. B.*

CLASSICAL COURSE A.—Greek is required for admission to this course. Latin and Greek are required for two years, and are elective for the remainder of the course.

CLASSICAL COURSE B.—This course may be pursued by candidates who satisfy the requirements for admission to the Ph. B. course. Greek is begun on entrance and required for four years.

2. *Course leading to the degree of Ph. B.*

This course offers Latin without Greek.

3. *Course leading to the degree of B. S.*

This course is based upon the study of mathematics and sciences, with extended work in English and other modern languages.

4. *Courses leading to the degree of B. E.*

GENERAL ENGINEERING COURSE.—This course offers the foundation of a broad engineering education, comprising mathematics, the sciences, the fundamental principles of the special branches of the profession, some training in history and economics, a knowledge of both French and German and a course in English.

SIX-YEAR PH. B.-B. E. COURSE.—This course combines the above four-year engineering course, including both its options, with the Latin scientific course.

SANITARY ENGINEERING COURSE.—This differs from course 4 in substituting special work in sanitary engineering for some of the general engineering studies.

ELECTRICAL ENGINEERING COURSE.—This course is intended to give a broad and thorough engineering education, with the specific instruction requisite for electrical engineering.

5. *Courses leading to graduate degrees.*

COURSE LEADING TO DEGREE OF M. C. E.—This course of one year's graduate study consists of lectures, laboratory practice and research work.

COURSE LEADING TO DEGREE OF M. E. E.—This course of one year's graduate study consists of lectures, laboratory practice and research work.

COURSE LEADING TO DEGREE OF PH. D.—This course of two years' graduate study requires for admission the degree of M. E. E. or an equivalent.

Students in full standing at the end of Junior year having the profession of medicine in view are permitted to take the first year studies of the Albany Medical College as a substitute for the studies of the first two terms of the senior year in Union College. This enables medical students to lessen the time of their academic and professional studies by one year.

Schenectady offers peculiar advantages to the student of engineering, and special facilities for the study of electrical engineering are afforded by the co-operation of the General Electric Company.

The fee for tuition is, in the academic courses, \$90 a year, and in the engineering courses \$150 a year; room rent in the college dormitories is \$60 to \$75 a year additional. Board can be had for from \$4 to \$5 a week. Some scholarships are granted under conditions stated in the college catalogue.

Commencement occurs always on the second Wednesday of June. The fall term of 1912 begins September 16. Entrance examinations are held on the Thursday and Friday immediately following Commencement, and on the Monday, Tuesday and Wednesday of the first week of the fall term.

For catalogue, address

SECRETARY OF THE FACULTY, UNION COLLEGE,
Schenectady, N. Y.

ALBANY COLLEGE OF PHARMACY

Department of Pharmacy, Union University

SESSION OF 1912-1913

This department was created by act of the Board of Governors of Union University, June 21, 1881, and incorporated August 27, 1881. The thirty-second session will open on Monday, October 7, 1912, and close April 29, 1913. The college is centrally located at 43-45 Eagle street.

FACULTY

CHARLES ALEXANDER RICHMOND, D. D., LL. D.,
Chancellor of the University

WILLIS GAYLORD TUCKER, M. D., PH. D., DEAN
Professor of Chemistry and Toxicology

ALFRED BIRCH HUESTED, M. D., PH. G.
Professor of Materia Medica, Botany and Physiology

GUSTAVUS MICHAELIS, PH. G.
Emeritus Professor of Pharmacy

GARRET VANDER VEER DILLENBACK, PH. G.
Associate Professor of Pharmacy

EDWIN CUNNINGHAM HUTMAN, PH. G.
Director of Pharmaceutical Laboratory

WILLIAM ATWOOD LARKIN, PH. G.
Adjunct Professor of Chemistry and Physics

SPENCER LYMAN DAWES, M. D.
Director of Microscopical Laboratory

JARED WATERBURY SCUDDER, A. M.
Instructor in Latin

WARREN LANSING BRADT, PH. G.
Lecturer on Pharmaceutical Jurisprudence

WILLIAM WALKER GIBSON, PH. B., PH. G.
Instructor in Commercial Pharmacy

HARRY EUGENE ROBIE, PH. G.
Instructor in Pharmacy and Mathematics.

HARRY WHEELER BAKER, PH. G.
Instructor in Pharmacy.

RICHARD BERCHMANS GRAY, M. D.
Assistant in Microscopical Laboratory.

Two year graded course. Instruction by lecture, recitation and practical laboratory work. Curriculum includes theoretical and applied Chemistry and Toxicology, Pharmacy, Materia Medica, Botany, Microscopy, Pharmacognosy, Mathematics, Physics, Physiology and Latin.

FEES:

The fees are \$90 per year, with no incidentals, excepting a damage deposit of \$5.

For catalogues or further information, address

ALFRED B. HUESTED, M. D., PH. G., *Secretary.*

43 Eagle Street, Albany, N. Y.

ASSOCIATION OF THE ALUMNI OF THE
ALBANY MEDICAL COLLEGE

INCORPORATED FEBRUARY 6, 1874.

This association was organized January 20, 1874. The membership consists of the officers and graduates of the college. Total number of graduates, 2817. Names and addresses upon the roll, 1604. The object of the association is to promote the interests of the college in the work of medical education, and to cultivate social intercourse among the alumni. The annual meeting is held upon commencement day. The officers of the association, excepting the members of the executive committee who serve for three years, are elected annually.

OFFICERS FOR 1912-1913

President—DR. ARTHUR GUERNSEY ROOT ('90), Albany, N. Y.

Vice Presidents

DR. FRANK M. BOYCE ('72), East Schodack, N. Y.
DR. CHARLES A. INGRAHAM ('78), Cambridge, N. Y.
DR. ADAM Y. MYERS ('82), Buskirk's Bridge, N. Y.
DR. FRANK S. SNOW ('89), Palatine Bridge, N. Y.
DR. GEORGE S. HASWELL ('92), West Troy, N. Y.

Recording Secretary—DR. J. MONTGOMERY MOSHER ('89) Albany, N. Y.

Corresponding Secretary—DR. JAMES N. VANDER VEER ('03), Albany, N. Y.

Treasurer—DR. ROBERT BABCOCK ('84), Albany, N. Y.

Historian—DR. ARTHUR J. BEDELL ('01), Albany, N. Y.

Executive Committee—

DR. WILLIAM J. NELLIS ('79), Albany, N. Y.
DR. JOSEPH A. COX ('01), Albany, N. Y.
DR. JAMES H. MITCHELL ('81), Cohoes, N. Y.
DR. ERASTUS CORNING ('07), Albany, N. Y.
DR. WILLIAM P. MASON ('81), Troy, N. Y.
DR. HARMON A. STALEY, ('91), Schenectady, N. Y.
DR. DANIEL C. CASE ('70), Slingerlands, N. Y.
DR. JOHN ARCHIBOLD ('88), Cohoes, N. Y.
DR. WILLIAM G. LEWIS ('92), Albany, N. Y.
DR. BRANSEN K. DE VOE ('04), Albany, N. Y.
DR. MALCOLM DOUGLAS ('04), Albany, N. Y.
DR. J. LEWIS BENDELL ('07), Albany, N. Y.

together with the president, recording and corresponding secretaries, treasurer, historian and registrar of the college, *ex officio*.

The next annual meeting will be held in the college building on Tuesday, May 27, 1913. So far as their addresses can be ascertained all graduates of the college are notified of the annual meetings through the mail. Those who do not receive such notice regularly are requested to furnish the recording secretary with their addresses and to keep him informed of any change in their place of residence. The yearly dues are fixed at one dollar. This may be sent to Dr. Robert Babcock, Treasurer, 102 Lancaster street, Albany, N. Y.

ARTHUR G. ROOT, M. D., *President*.
J. MONTGOMERY MOSHER, M. D., *Recording Secretary*,
170 Washington Avenue, Albany, N. Y.

ALBANY MEDICAL COLLEGE ALUMNI ASSOCIATION
OF THE CITY OF NEW YORK

Organized 1895.

OFFICERS FOR 1912

President—DR. FREDERIC W. LOUGHRAN ('90), New York City.
Vice-President—DR. CHARLES GARTNER ('95), Brooklyn, N. Y.
Secretary—DR. FLAVIUS PACKER ('93), New York City.
Treasurer—DR. FREDERICK W. CORDES ('95), Brooklyn, N. Y.
Governors—DR. ARTHUR J. CAPRON ('94), New York City.
DR. ROBERT E. KINLOCH ('99), Brooklyn, N. Y.
DR. PETER H. KEELER ('97), Brooklyn, N. Y.

ALBANY MEDICAL COLLEGE ALUMNI ASSOCIATION
OF NEW ENGLAND

Organized 1899

OFFICERS FOR 1912

President—DR. AARON L. NEWTON ('98), Northfield, Mass.
Vice-President—DR. GEORGE H. JANES ('93), Westfield, Mass.
Secretary—DR. EDGAR C. COLLINS ('80), Springfield, Mass.
Treasurer—DR. HARVEY W. VAN ALLEN ('91) Springfield, Mass.
Governors—DR. ELMORE S. ALBEE ('70), Bellows Falls, Vt.
DR. HARVEY W. VAN ALLEN ('91), Springfield, Mass.
DR. FRANK L. SMITH ('83), Bridgeport, Conn.
DR. CREIGHTON W. SKELTON ('98), Providence, R. I.
DR. FREDERICK T. CLARK ('96), Westfield, Mass.
DR. THOMAS D. CROTHERS ('65), Hartford, Conn.

ALBANY MEDICAL COLLEGE ALUMNI ASSOCIATION
OF CENTRAL NEW YORK

Organized 1901

OFFICERS FOR 1912

President—DR. IRVING S. EDSALL ('85) Middleville, N. Y.
Secretary—DR. FREDERICK H. BREWER ('78), Utica, N. Y.
Treasurer—DR. W. CLINTON KELLOGG ('84), Syracuse, N. Y.

HOSPITALS

The following hospitals, by regulation of their governing boards, are made available for clinical purposes to the students.

Albany Hospital

New Scotland Avenue

MEDICAL AND SURGICAL STAFF

Consulting Obstetrician

JAMES P. BOYD, M. D.

Consulting Surgeon

WILLIAM HAILES, M. D.

Attending Physicians

SAMUEL B. WARD, M. D.

HENRY HUN, M. D.

JOSEPH D. CRAIG, M. D.

HOWARD VAN RENSSELAER, M. D.

ERASTUS CORNING, M. D., Tuberculosis Dep't.

Assistant Attending Physicians

LEO H. NEUMAN, M. D.

CHARLES K. WINNE, JR., M. D.

ANDREW MACFARLANE, M. D.

MALCOLM DOUGLAS, M. D., Tuberculosis Dep't.

Attending Specialists

CYRUS S. MERRILL, M. D., Eye and Ear

HERMAN BENDELL, M. D., Eye and Ear

JAMES P. BOYD, M. D., Gynecology

FREDERIC C. CURTIS, M. D., Dermatology

EZRA A. BARTLETT, M. D., Electricity

ARTHUR G. ROOT, M. D., Throat and Nose

J. MONTGOMERY MOSHER, M. D., Mental Diseases

LEO H. NEUMAN, M. D., Stomach and Intestines

JOHN A. SAMPSON, M. D., Gynecology

ARTHUR SAUTTER, M. D., Contagious and Venereal Diseases

JOHN M. BERRY, M. D., Orthopædic Surgery and Radiography.

LA SALLE ARCHAMBAULT, M. D., Neurology

Ass't Attd'g Ophthalmic and Aural Surgeons

CHARLES H. MOORE, M. D.

ARTHUR J. BEDELL, M. D.

Ass't Attd'g Physician in Dep't of Skin

ARTHUR SAUTTER, M. D.

Ass't Attd'g Specialist in Contagious Diseases

CHARLES K. WINNE, JR., M. D.

Assistant Attending Specialist in Laryngology

EUGENE E. HINMAN, M. D., Tuberculosis Dep't.

TIFFANY LAWYER, M. D., Ass't Attd'g Radiographer

and Ass't Attd'g Gynecologist

Dispensary Physicians

WILLIAM G. LEWI, M. D.

J. MONTGOMERY MOSHER, M. D.

MARTIN MACHARG, M. D.

WILLIAM H. GEORGE, M. D.

HENRY L. K. SHAW, M. D.

ARTHUR J. BEDELL, M. D.

CLINTON B. HAWN, M. D.

Consulting Physician, Throat and Nose

JOHN M. BIGELOW, M. D.

Surgeon-in-Chief

ALBERT VANDER VEER, M. D.

Attending Surgeons

SAMUEL R. MORROW, M. D.

EDGAR A. VANDER VEER, M. D.

ARTHUR W. ELTING, M. D.

Assistant Attending Surgeons

ALVAH H. TRAVER, M. D.

GEORGE G. LEMPE, M. D.

J. LEWI DONHAUSER, M. D.

Obstetric Surgeons

G. EMORY LOCHNER, M. D.

H. JUDSON LIPES, M. D.

PAUL T. HARPER, M. D.

Pathologist

HARRY S. BERNSTEIN, M. D.

Chief of Medical Clinic

JAMES F. ROONEY, M. D.

Chief of Surgical Clinic

JAMES N. VANDER VEER, M. D.

Dentist

LEROY S. BLATNER, D. D. S.

Pathological House Officer

WARDNER D. AYER, M. D.

Resident Physicians and Surgeons

H. BURDETTE RIGGS, M. D.

RALPH B. POST, M. D.

WARD W. MILLIAS, M. D.

DANIEL F. O'KEEFE, M. D.

JOHN L. EDWARDS, M. D.

DONALD A. MACDUFFIE, M. D.

C. H. PELTON, M. D.

ROYAL E. LA GRANGE, M. D.

MAX A. ALMY, M. D.

—M. D.

Superintendent

HAROLD C. GOODWIN, M. D.

Superintendent of Training School

MISS SUSAN C. HEARLE

Pharmacist

CHARLES SCHAEFER, PH. G.

HERMAN BENDELL, M. D.

JOSEPH L. BENDELL, M. D.

JOSEPH A. LANAHAN, M. D.

TIFFANY LAWYER, M. D.

BRANSEN K. DE VOE, M. D.

WILLIAM G. KEENS, M. D.

HARRY H. DRAKE, M. D.

St. Peter's Hospital

Corner Broadway and North Ferry Street

MEDICAL AND SURGICAL STAFF

Consulting Physicians

O. D. BALL, M. D.

T. KIRKLAND PERRY, M. D.

Attending Surgeon

ARTHUR W. ELTING, M. D.

Assistant Surgeons

JOSEPH A. COX, M. D.

E. GERALD GRIFFIN, M. D.

Ophthalmic and Aural Surgeons

GEORGE S. MUNSON, M. D.

LEO F. ADT, M. D.

Obstetric Surgeons

JOHN F. REILLY, M. D.

WILLIAM J. WANSBORO, M. D.

Attending Physicians

HENRY HUN, M. D.

HOWARD VAN RENSSELAER, M. D.

ANDREW MACFARLANE, M. D.

TERENCE L. CARROLL, M. D.

Nose and Throat

CLEMENT F. THEISEN, M. D.

Genito-Urinary and Skin Diseases

JAMES W. WILTSE, M. D.

Physiologic Therapeutics

WILLIAM H. HAPPEL, M. D.

Assistant Pathologist

CLINTON B. HAWN, M. D.

DISPENSARY STAFF

Surgeons

JOSEPH A. COX, M. D.

E. GERALD GRIFFIN, M. D.

Diseases of Children

HENRY L. K. SHAW, M. D.

Gynecologist

JOSEPH A. COX, M. D.

Assistant Attending Physicians

JOSEPH P. O'BRIEN, M. D.

CLINTON B. HAWN, M. D.

NELSON K. FROMM, M. D.

Diseases Eye and Ear

MILES A. McGRANB, M. D.

Neurology

LA SALLE ARCHAMBAULT, M. D.

Skiagrapher

WILLIAM H. HAPPEL, M. D.

Resident Physicians and Surgeons

ARTHUR H. STEIN, M. D.

WILLIAM E. LOW, JR., M. D.

JOHN L. BOTH, M. D.

JOSEPH H. BOWERS, M. D.

Child's Hospital

Corner Elk and North Hawk Streets

Attending Physicians

HENRY HUN, M. D.

(Neurologist)

HOWARD VAN RENSSELAER, M. D.

ANDREW MACFARLANE, M. D.

(St. John's House)

HENRY L. K. SHAW, M. D.

(St. Margaret's House)

Attending Surgeons

SAMUEL R. MORROW, M. D.

ALVAH H. TRAVER, M. D.

CHARLES E. DAVIS, M. D.

ARTHUR W. ELTING, M. D.

Ophthalmic and Aural Surgeons

CYRUS S. MERRILL, M. D.

CHARLES H. MOORE, M. D.

Laryngologist and Rhinologist

CLEMENT F. THEISEN, M. D.

Pathologist

Dermatologist

FREDERIC C. CURTIS, M. D.

Assistant Physician

CHARLES K. WINNE, M. D.

Dental Surgeon

DR. FR. G. MICHEL

Albany City Free Dispensary Association

South End Dispensary

Corner Trinity Place and Ash Grove Place

MEDICAL AND SURGICAL STAFF

Consulting Surgeons

ALBERT VANDER VEER, M. D.

CHARLES E. DAVIS, M. D.

WILLIAM H. GEORGE, M. D.

Consulting Specialist on Dermatology

FREDERIC COLTON CURTIS, M. D.

Attending Surgeons

GEORGE E. BEILBY, M. D., Pres.

JAMES N. VANDER VEER, M. D.

JOHN H. GUTMANN, M. D.

EDWIN L. DRAPER, M. D.

Assistant Attending Surgeons

MALCOLM DOUGLAS, M. D.

GEORGE W. PAPER, JR., M. D.

WALTER A. REYNOLDS, M. D.

Eye and Ear

LEO F. ADT, M. D.

ARTHUR J. BEDELL, M. D., Sec.

Throat and Nose

ARTHUR G. ROOT, M. D.

LOUIS LE BRUN, M. D.

Nervous Diseases

J. MONTGOMERY MOSHER, M. D.

LA SALLE ARCHAMBAULT, M. D.

Tuberculosis

CLINTON B. HAWN, M. D.

Assistants

CHARLES K. WINNE, JR., M. D.

NELSON K. FROMM, M. D.

JOSEPH P. O'BRIEN, M. D.

HAROLD D. COCHRANE, M. D.

JAMES F. ROONEY, M. D.

TIFFANY LAWYER, M. D.

RICHARD A. LAWRENCE, M. D.

Consulting Physicians

SAMUEL BALDWIN WARD, M. D.

LEO H. NEUMAN, M. D.

Consulting Specialist Diseases of Children

WILLIAM H. HAPPEL, M. D.

Attending Physicians

TERENCE L. CARROLL, M. D.

JAMES F. ROONEY, M. D.

CHARLES K. WINNE, JR., M. D.

DANIEL V. O'LEARY, JR., M. D.

Assistant Attending Physicians

FREDERIC C. CONWAY, M. D.

RICHARD A. LAWRENCE, M. D.

NELSON K. FROMM, M. D.

Genito-Urinary and Skin Diseases

ARTHUR SAUTTER, M. D.

JOSEPH A. LANAHAN, M. D.

Assistant Eye and Ear

MILES A. McGRANE, M. D.

Diseases of Children

HENRY L. K. SHAW, M. D.

AGNES E. PAGE, M. D.

HARRY RULISON, M. D.

Diseases of Stomach and Intestines

LEO H. NEUMAN, M. D.

BRANSEN K. DE VOE, M. D.

Gynecology

JOHN A. SAMPSON, M. D.

Assistants

TIFFANY LAWYER, M. D.

AGNES E. PAGE, M. D.

Dental Surgeon

LE ROY S. BLATNER, D. D. S.

Assistant Dental Surgeon

JAMES W. CANADAY, JR., D. D. S.

Albany's Hospital for Incurables

South Pearl Street

Physicians in Charge

HENRY HUN, M. D.

WILLIAM H. HAPPEL, M. D.

HOWARD VAN RENSSELAER, M. D.

ANDREW MACFARLANE, M. D.

RICHARD A. LAWRENCE, M. D.

Consulting Surgeon

SAMUEL R. MORROW, M. D.

Surgeon

GEORGE E. BEILBY, M. D.

County Hospital

Physician and Surgeon

FREDERIC C. CONWAY, M. D.

Resident Physician

HARRY S. HOWARD

C
Un32wZm
1912/13

610.71
Cg

ALBANY MEDICAL COLLEGE

Register of Students
1912-1913



ANNOUNCEMENT FOR SESSION

1913-1914

MEDICAL DEPARTMENT OF UNION UNIVERSITY

CATALOGUE

OF THE

ALBANY MEDICAL COLLEGE

82d SESSION, 1912-1913

AND

ANNOUNCEMENT FOR SESSION 1913-1914

ALBANY, N. Y.

PRESS OF FRANK H. EVORY & CO.

1913

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WILLIS G. TUCKER, M.D., *Registrar*,
ALBANY MEDICAL COLLEGE,
Albany, N. Y.

FACULTY

CHARLES ALEXANDER RICHMOND, D.D., LL.D., *Chancellor of the University.*

JOHN MILTON BIGELOW, M.D., PH.D., *Emeritus Professor of Materia Medica, Therapeutics and Diseases of the Throat and Nose.*

ALBERT VANDER VEER, M.D., PH.D., LL.D., *Professor of Surgery.*

SAMUEL BALDWIN WARD, M.D., PH.D., DEAN, *Professor of Theory and Practice of Medicine.*

JAMES PETER BOYD, M.D., *Professor of Obstetrics and Diseases of Children.*

WILLIS GAYLORD TUCKER, M.D., PH.D., REGISTRAR, *Professor of Chemistry and Toxicology.*

CYRUS STRONG MERRILL, M.D., *Professor of Ophthalmology and Otology.*

FREDERIC COLTON CURTIS, M.D., *Professor of Dermatology.*

HENRY HUN, M.D., *Professor of Diseases of the Nervous System.*

SAMUEL ROSEBURGH MORROW, M.D., *Professor of Practice of Surgery and of Orthopedic Surgery.*

HERMON CAMP GORDINIER, M.D., *Professor of Physiology.*

HOWARD VAN RENSSELAER, M.D., *Professor of Materia Medica and Therapeutics, and Adjunct Professor of Theory and Practice of Medicine.*

JOSEPH DAVIS CRAIG, M.D., *Professor of Anatomy. Curator of the Museum.*

ANDREW MACFARLANE, M.D., *Professor of Physical Diagnosis and of Medical Jurisprudence.*

ARTHUR GUERNSEY ROOT, M.D., *Professor of Diseases of the Throat and Nose.*

LEO HAENDEL NEUMAN, M.D., *Professor of Gastro-Enteric Diseases, and Clinical Professor of Theory and Practice of Medicine.*

ARTHUR WELLS ELTING, M.D., *Professor of the Practice of Surgery and of Clinical Surgery.*

EDGAR ALBERT VANDER VEER, M.D., *Professor of Abdominal and Clinical Surgery.*

JOHN ALBERTSON SAMPSON, M.D., *Professor of Gynecology.*

HARRY SAUL BERNSTEIN, M.D., *Professor of Pathology and Bacteriology.*

CLINICAL PROFESSORS

HERMAN BENDELL, M.D., *Otology*.
JESSE MONTGOMERY MOSHER, M.D., *Insanity, Neurology and Electro-Therapeutics*.
HARRY JUDSON LIPES, M.D., *Obstetrics*.
ARTHUR SAUTTER, M.D., *Dermatology and Venereal Diseases*.
GEORGE EMORY LOCHNER, M.D., *Obstetrics*.
CLEMENT FRANK THEISEN, M.D., *Diseases of Throat and Nose*.
HENRY LARNED KEITH SHAW, M.D., *Diseases of Children*.

ADJUNCT PROFESSORS

SPENCER LYMAN DAWES, M.D., *Materia Medica*.
LA SALLE ARCHAMBAULT, M.D., *Neurology*.
ROBERT WOOD KEETON, M.S., *Physiological Chemistry and Experimental Physiology*.

LECTURERS

WILLIAM OLIN STILLMAN, M.D., *History of Medicine*.
CHARLES HENRY MOORE, M.D., *Ophthalmology and Otology*.
JAMES FRANCIS ROONEY, M.D., *Hygiene and Instructor in Medicine*.
HOWARD EATON LOMAX, M.D., *Anatomy and Demonstrator of Anatomy*.
GEORGE GUSTAVE LEMPE, M.D., *Minor Surgery*.
WILLIAM ATWOOD LARKIN, Ph.G., *Inorganic Chemistry and Instructor in Organic Chemistry. Assistant Registrar*.
JAMES NEWELL VANDER VEER, M.D., *Surgical Technic and Instructor in Genito-Urinary Surgery*.
ARTHUR JOSEPH BEDELL, M.D., *Ophthalmology*.
JAMES WESLEY WILTSE, M.D., *Dermatology and Genito-Urinary Diseases*.
JOHN HENRY GUTMANN, M.D., *Surgery and Clinical Anaesthesia*.
JOSEPH LEWI DONHAUSER, M.D., *Surgical Diagnosis*.
ALVAH HARRY TRAVER, M.D., *Clinical Surgery and Instructor in Surgery*.
CLINTON BENJAMIN HAWN, M.D., *Clinical Microscopy*.
*CLINTON PRESTON McCORD, M.D., *School Hygiene*.
JOHN McWILLIAMS BERRY, M.D., *Radiography*.
WARDNER DANIEL AYER, M.D., *Histology, Embryology, Bacteriology and Pathology*.
RALPH EMERSON MYERS, A.M., *Experimental Pharmacology and Physiological Chemistry*.
WALTER CLAYTON FOX, M.D., *Histology, Pathological Anatomy and Bacteriology*.
CLARENCE EDMOND MULLENS, M.D., *Anatomy*.

INSTRUCTORS

EDGAR ROSCOE STILLMAN, M.D., *Physiology*.
CHARLES KNICKERBACKER WINNE, JR., M.D., *Theory and Practice*.
JOSEPH ALOYSIUS LANAHAN, M.D., *Dermatology and Venereal Diseases*.
GEORGE EVERETT BEILBY, M.D., *Surgical Pathology*.
BRANSEN KEEMPER DE VOE, M.D., *Anatomy*.
EUGENE EUNSON HINMAN, M.D., *Diseases of Throat and Nose*.
MALCOLM DOUGLAS, M.D., *Physical Diagnosis and Therapeutics*.
ERASTUS CORNING, M.D., *Theory and Practice and Physical Diagnosis*.
LEROY SOLOMON BLATNER, D.D.S., *Oral Pathology*.
WILLIAM KIRK, M.D., *Anatomy and Physiology of the Nervous System*.
JEROME MEYERS, M.D., *Physical Diagnosis and Gastro-Enteric Diseases*.

*This course given by permission of the Board of Education of Albany.

INSTRUCTORS—Continued

RICHARD ANDREW LAWRENCE, M.D., *Obstetrics*.
 THEOBALD FREDERICK DOESCHER, M.D., *Gastro-Enteric Diseases*.
 NELSON KAUFMAN FROMM, M.D., *Materia Medica and Physical Diagnosis*.
 TIFFANY LAWYER, M.D., *Gynecology*.
 EDWIN LYON DRAPER, M.D., *Surgical Pathology and Surgery*.
 WILLIAM GEORGE KEENS, M.D., *Diseases of Throat and Nose*.
 HARRY HOUGHTON DRAKE, M.D., *Anatomy and Clinical Assistant*.
 JOSEPH AMBROSE COX, M.D., *Obstetrics*.
 JOSEPH LEWI BENDELL, M.D., *Surgery*.
 FREDERIC CHARLES CONWAY, M. D., *Physical Diagnosis*.
 JOHN FORREST SOUTHWELL, M.D., *Surgery*.
 PAUL TOMPKINS HARPER, M.D., *Obstetrics*.
 THOMAS WILLIAMS JENKINS, M.D., *Assistant in Histology*.
 CHARLES WILLIAM LOUIS HACKER, M.D., *Assistant in Histology and Pathology*.
 ARTHUR HENRY STEIN, M.D., *Assistant in Pathology and Bacteriology*.
 DAVIS BAKER, M.D., *Assistant in Histology*.
 CHARLES FREDERICK MYERS, M.D., *Assistant in Physiological Chemistry and Experimental Physiology*.

CLINICAL ASSISTANTS

WILLIAM GRANT LEWI, M.D. MARTIN MACHARG, M.D. WILLIAM HENRY GEORGE, M.D. LOUIS LEBRUN, M.D. JAMES MANNING MOORE, M.D. GEORGE STEPHEN MUNSON, M.D. JOSEPH PATRICK O'BRIEN, M.D. MILES AMBROSE McGRANE, M.D. DANIEL VINCENT O'LEARY, JR., M.D. AGNES ELIZABETH PAGE, M.D. HARRY RULISON, M.D. GEORGE WASHINGTON PAPEN, JR., M.D. JOSEPH HENRY BOWERS, M.D. LOUIS BURGH MOUNT, M.D.	PHILIP CONRAD HACKER, M.D. HIRAM BURDETTE RIGGS, M.D. WALTER SCOTT LILIENTHAL, M.D. JOHN LOUNSBURY EDWARDS, M.D. WESLEY MASON ADAMS, M.D. ELMER HARRISON ORMSBY, M.D. JACOB DROOZ, M.D. RUFUS BAKER CRAIN, M.D. WALTER ROY LIDDEL COAKLEY, M.D. JOHN ROY WESTABY, M.D. GEORGE VICTOR GENZMER, M.D. MORRIS BRYAN BEECROFT, M.D. BURKE DIEFENDORF, M.D. CONRAD ALOYSIUS RISSBERGER, M.D.
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CALENDAR 1913-14

1913

Regular winter session begins.....Tuesday, September 23
 Election vacation.....Monday and Tuesday, November 3 and 4
 Thanksgiving vacation begins.....Wednesday at 1 P. M., November 26
 Lectures resumed.....Monday morning, December 1
 Christmas vacation begins.....Wednesday morning, December 24

1914

Lectures resumed.....Monday morning, January 5
 Lincoln's birthday, lectures suspended.....Thursday, February 12
 Washington's birthday, lectures suspended.....Monday, February 23
 Commencement,Tuesday, May 26

ENTRANCE REQUIREMENTS.—The New York State Medical Student Certificate entitles to entrance. Those contemplating the study of medicine should apply to the Examinations Division, New York State Education Department, Albany, by letter or otherwise, if further information than that given on pages 38-40 is desired. One of the examinations will be held in Albany, September 15-17, 1913.

MID-WINTER WRITTEN EXAMINATIONS in all the departments are held in January. A printed schedule of these examinations is furnished the class.

ANNOUNCEMENT

1913-1914*

UNION UNIVERSITY includes the ALBANY MEDICAL COLLEGE, Albany College of Pharmacy, Albany Law School and the Dudley Observatory, all at Albany, and Union College, and the School of Engineering at Schenectady. The ALBANY MEDICAL COLLEGE was organized in 1838 and incorporated in 1839, in which year its first class was graduated. It is the second oldest existing medical school in the State, and since its organization eighty-two courses of instruction have been given and 2,865 students have been graduated.

The course of instruction is graded and extends over four years. The curriculum embraces lectures by professors and lecturers; recitations conducted mainly by instructors, and practical demonstrations, clinical teaching and laboratory work, in which the professors in the different departments are assisted by clinical assistants and demonstrators.

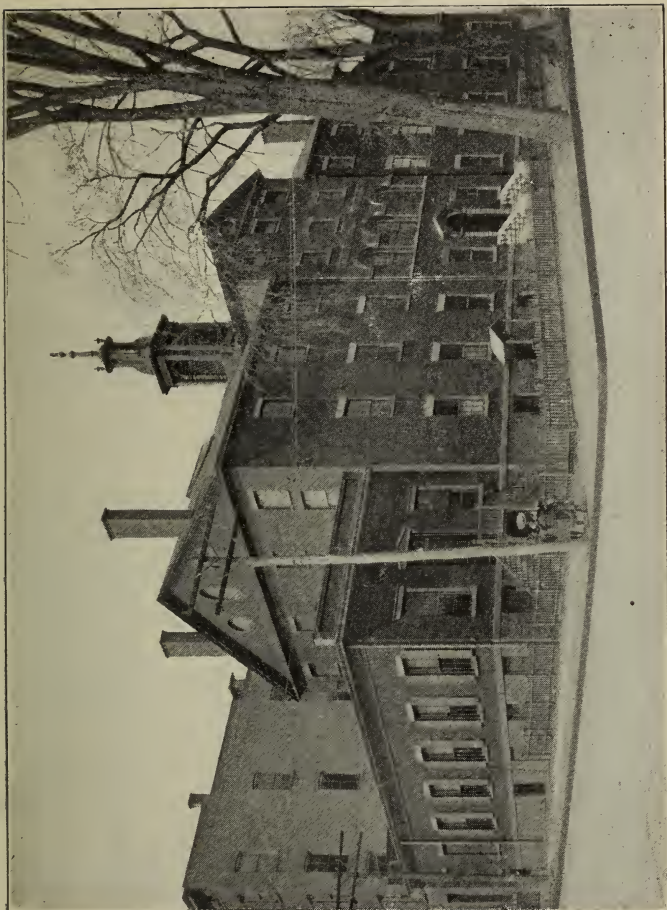
The college building is well appointed in its lecture rooms, laboratories, dissecting rooms and museums. The laboratories in chemistry and physiological chemistry are fitted with every requisite for the use of the classes and the illustration of the lectures, while the BENDER HYGIENIC LABORATORY furnishes admirable facilities for instruction in histology, embryology, bacteriology, pathology, pharmacology and clinical microscopy.

The location of the college is such as to afford superior advantages to the student. The hospitals and dispensaries furnish an abundant supply of material for the illustration of clinical medicine and surgery, while the museums are especially rich in anatomical and pathological preparations.

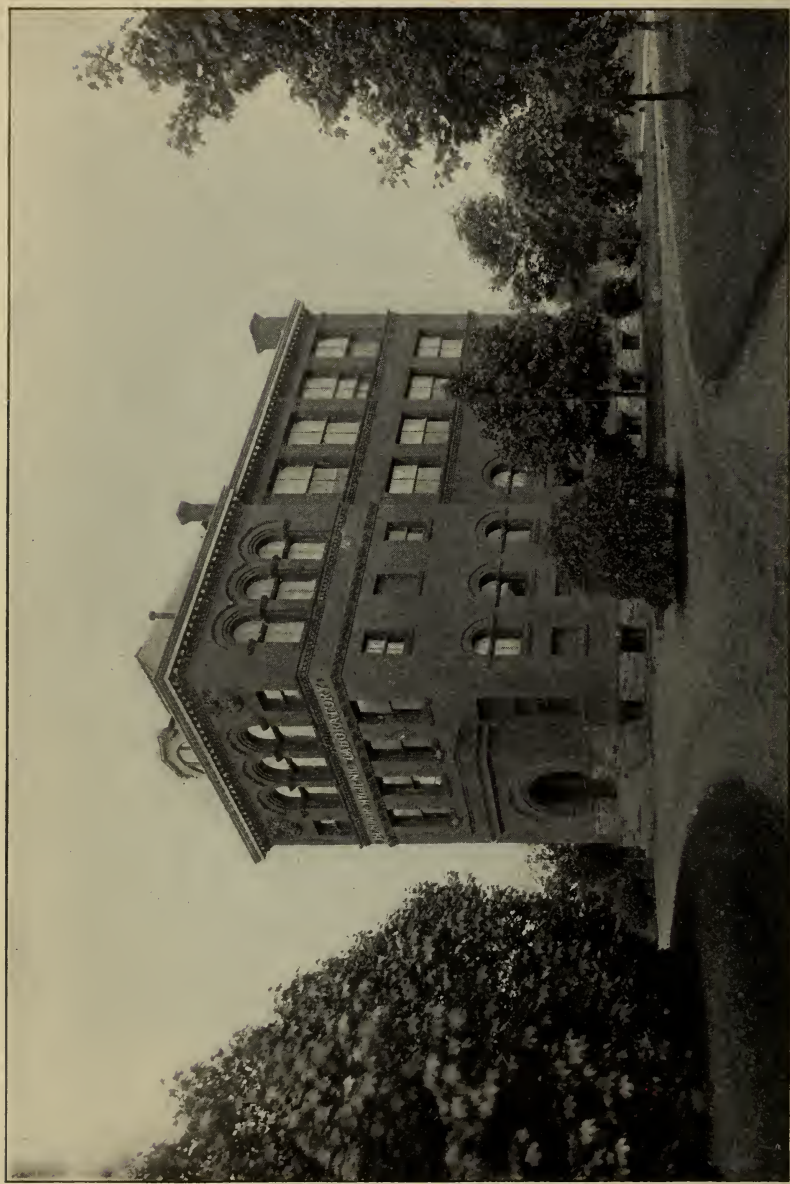
The main museum of the college has recently been rearranged and newly catalogued, and the wet and dry specimens, models and other exhibits have been restored and replaced wherever necessary, and conveniently arranged for use in teaching.

*Announcements of this college are to be considered as applying to the current year only, since all regulations and requirements are subject to change at the close of any session.

The Albany Hospital and its Tuberculosis Department, St. Peter's Hospital, Child's Hospital, St. Margaret's House, Albany's Hospital for Incurables, County Hospital, South End Dispensary, Albany Orphan Asylum, and dispensaries connected with each, are, by the regulation of their governing boards, made available for clinical purposes to the students, and appointments to positions on the house staffs of the hospitals in Albany and neighboring places, are annually made and are competed for by the members of the graduating class.



ALBANY MEDICAL COLLEGE
Incorporated 1839



BENDER HYGIENIC LABORATORY

COURSE OF INSTRUCTION

The four years' graded course required of all candidates for the degree of doctor of medicine includes the following subjects:

First Year

1. **Anatomy**—four lectures; twelve hours dissection. 2. **Histology and Embryology**—two lectures; four and a half hours laboratory. 3. **Inorganic Chemistry**—five lectures; four hours laboratory. 4. **Organic Chemistry and Toxicology**—six lectures. 5. **Physiology**—two lectures; one recitation.

Second Year

1. **Physiology**—one lecture; one-half hour recitation; nine hours laboratory. 2. **Physiological Chemistry**—three lectures; six and a half hours laboratory. 3. **Bacteriology**—three lectures; nine hours laboratory. 4. **Pathology**—three lectures; ten hours laboratory. 5. **Theory and Practice**—two lectures; one recitation. 6. **Materia Medica**—two lectures; one recitation. 7. **Surgery**—two lectures and demonstrations. 8. **Anatomy**—three lectures; two and a half hours laboratory (first term); one recitation. 9. **Experimental Pharmacology**—two hours lecture and demonstration. 10. **Physical Diagnosis**—one hour exercise.

Third Year

1. **Theory and Practice**—four lectures; two recitations; two clinics. 2. **Clinical Microscopy**—two hours laboratory. 3. **Therapeutics and Electrotherapeutics**—two lectures; one recitation. 4. **Obstetrics and Gynecology**—three lectures. 5. **Pediatrics**—two lectures; one recitation half the term. 6. **Neurology**—one lecture; one recitation half the term; one clinic. 7. **Surgery (including operative, fractures, dislocations)**—four lectures; one recitation; three hours clinics. 8. **Physical Diagnosis**—section work two hours. 9. **Medical Jurisprudence**—one lecture half the term. 10. **Hygiene**—two lectures. 11. **X Rays**—one demonstration half the term. 12. **Ophthalmology, Dermatology, Laryngology and Otology**—two hours; clinical work in dispensaries, four hours.

Fourth Year

1. **Theory and Practice**—two lectures; one recitation; three hours clinics. 2. **Neurology**—one lecture; one clinic. 3. **Gynecology**—one lecture half the term. 4. **Obstetrics**—two and a half lectures. 5. **Surgery (including Orthopedics)**—four lectures; one recitation; three hours clinics. 6. **Specialties**—in sections—seven hours; one recitation. 7. **Conferences**—one medical; one surgical. 8. **Clinical work**—in groups—ten hours.

CLINICS

Third and Fourth Year Classes

WEDNESDAY—10:20 A. M. to 1 P. M. (Medicine, Surgery and Dermatology),
 Profs. Hun, Van Rensselaer, MacFarlane and Elting, and
 Drs. Wiltse and Theisen, 4th year.

12 M. (Surgery), Profs. Vander Veer, Morrow and E. A.
 Vander Veer, 3d year.

THURSDAY—5 P. M. (Digestive Diseases), Prof. Neuman 3d and 4th
 years.

FRIDAY—5 P. M. (Neurology), Prof. Hun, 3d and 4th years.

SATURDAY—10 A. M. (Medicine), Prof. Ward, 3d and 4th years.

11 A. M. (Surgery), Profs. Vander Veer, Morrow, Elting
 and E. A. Vander Veer, 3d and 4th years.

Fourth Year Class divided into sections

MONDAY—11:30 A. M. to 1 P. M. (Ophthalmology), Prof. Merrill; (Laryn-
 gology), Prof. Root.

2:30 to 5:30 P. M. Class divided into small groups for practical
 work in the hospitals of Albany and Troy and in the Ben-
 der Laboratory.

TUESDAY—11:30 A. M., to 1 P. M., (Dermatology), Cl. Pf. Sautter;
 (Neurology and Electricity), Cl. Pf. Mosher; (Otology),
 Cl. Pf. Bendell.

2:30 to 5:30 P. M. Class divided into small groups for practical
 work in the hospitals of Albany and Troy and in the Ben-
 der Laboratory.

THURSDAY—2:30 to 4:30 P. M. Class divided into small groups for practical
 work in the hospitals of Albany and Troy and in the Ben-
 der Laboratory.

FRIDAY—11:30 A. M. to 1 P. M. (Ophthalmology), Prof. Merrill; (Neu-
 rology and Electricity), Cl. Pf. Mosher; (Genito-Urinary),
 Cl. Pf. Sautter.

2:30 to 4:30 P. M. Class divided into small groups for practical
 work in the hospitals of Albany and Troy and in the Ben-
 der Laboratory.

The provisional order of instruction for the ensuing session is
 given in the succeeding pages, and a corrected card will be issued
 at the opening of the session.

ORDER OF INSTRUCTION 1913-1914

FIRST YEAR — First Half

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Histology and Embryology. Dr. AYER.		Inorganic Chemistry. Mr. LARKIN.	Inorganic Chemistry. Mr. LARKIN.		Inorganic Chemistry. Mr. LARKIN.
10	10 to 1 Histology Laboratory.	9 to 12 Anatomy Dissection.	10 to 12 Chemical Laboratory. Prof. TUCKER and Mr. LARKIN.	10 to 12 Chemical Laboratory. Prof. TUCKER and Mr. LARKIN.	History of Medicine Dr. W. O. STILLMAN.	10:30 to 11:30 Histology and Embryology. Dr. AYER.
11					Inorganic Chemistry. Mr. LARKIN.	
12		Anatomy. Prof. CRAIG.	Anatomy. Prof. CRAIG.	Anatomy. Prof. CRAIG.	Anatomy. Prof. CRAIG.	11:30 to 1 Histology Laboratory.
2	2 to 5 Anatomy Dissection.					
3		Inorganic Chemistry. Mr. LARKIN.	2 to 5 Anatomy. Dissection.	2 to 5 Anatomy Dissection.		
4		Physiology. Prof. GORDINIER.			Recitation in Physiology. Dr. E. R. STILLMAN	
5					Physiology. Prof. GORDINIER.	

FIRST YEAR — Second Half

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Organic Chem. and Toxicology. Prof. TUCKER.		Organic Chem. and Toxicology. Prof. TUCKER.	Organic Chem. and Toxicology. Prof. TUCKER.		Organic Chem. and Toxicology. Prof. TUCKER.
10	10:30 to 1 Histology Laboratory.	9 to 12 Anatomy Dissection.	10 to 12 Chemical Laboratory. Prof. TUCKER and Mr. LARKIN.	10 to 12 Chemical Laboratory. Prof. TUCKER and Mr. LARKIN.		10:30 to 11:30 Histology and Embryology. Dr. AYER.
11					Organic Chem. and Toxicology. Prof. TUCKER.	
12		Anatomy. Prof. CRAIG.	Anatomy. Prof. CRAIG.	Anatomy. Prof. CRAIG.	Anatomy. Prof. CRAIG.	11:30 to 1 Histology Laboratory.
2	2 to 5 Anatomy Dissection.					
3		Organic Chem. and Toxicology. Prof. TUCKER.	2 to 5 Anatomy Dissection.	2 to 5 Anatomy Dissection.	Histology. Dr. AYER.	
4		Physiology. Prof. GORDINIER.			Recitation in Physiology. Dr. E. R. STILLMAN	
5					Physiology. Prof. GORDINIER.	

ORDER OF INSTRUCTION—*Continued*

SECOND YEAR—First Half

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Physiological Chemistry. Ad.Prof.KEETON	9 to 11:30 Demonstration of Anatomy of Nervous System Ad. Prof. ARCHAMBAULT.	Bacteriology Lecture. Prof. BERNSTEIN.	Bacteriology Lecture. Prof. BERNSTEIN.	Bacteriology Lecture. Prof. BERNSTEIN.	Theory&Practice. Prof. VAN RENS-SELAER.
10	Theory and Practice. Prof. VAN RENS-SELAER.		10 to 1 Bacteriology Laboratory.	10 to 1 Bacteriology Laboratory.	10 to 1 Bacteriology Laboratory.	Recitation in Materia Medica. Dr. FROMM.
11	Materia Medica. Ad. Prof. DAWES.		Bacteriology followed by Pathology.	during first ten weeks,		Physiological Chemistry. Ad.Prof.KEETON.
12	Anatomy. Prof. CRAIG.		Materia Medica. Ad.Prof.DAWES.			Anatomy Prof. CRAIG.
2	2 to 5:30 Physiological Chemistry Laboratory. Ad.Prof.KEETON and Mr. MYERS.	2 to 5 Physiological Chemistry Laboratory. Ad.Prof.KEETON and Mr. MYERS.		2:30 to 3:30 Experimental Pharmacology. Mr. MYERS.	2:30 to 3:30 Experimental Pharmacology. Mr. MYERS.	
3			Minor Surgery. Dr. LEMPE.	3:30 to 4:30 Physiological Chemistry. Ad.Prof.KEETON.	Anatomy of Nervous System. Prof. GORDINIER.	
4			Surg. Technic. Dr. J. N. VANDER VEER.			
5				Physiology. Prof. GORDINIER.	Recitation in Theory and Practice. Dr. WINNE.	Physical Diagnosis.

SECOND YEAR—Second Half

HOOR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.	
9	Physical Diagnosis.	9 to 11:30 Demonstration of Pathology of Nervous System. Ad. Prof. ARCHAMBAULT.	Pathology Lecture. Prof. BERNSTEIN.	Pathology Lecture. Prof. BERNSTEIN.	Pathology Lecture. Prof. BERNSTEIN.	Theory&Practice. Prof. VAN RENS- SELAER.	
10	Theory and Practice. Prof. VAN RENS- SELAER.		10 to 12:30 Pathology Laboratory.	10 to 12:30 Pathology Laboratory.	10 to 11:30 Pathology Laboratory.	Recitation in Materia Medica. Dr. FROMM.	
11	Materia Medica. Ad. Prof. DAWES.				11:30 to 12:30 Surgical Pathology.	Recitation in Theory and Practice. Dr. WINNE.	
12	Anatomy. Prof. CRAIG.					Anatomy. Prof. CRAIG.	
2	2:30 to 5:30 Physiology Laboratory. Ad.Prof. KEETON and Mr. MYERS.	2:30 to 5:30 Physiology Laboratory Ad.Prof. KEETON and Mr. MYERS.	2:30 to 5:30 Physiology Laboratory. Ad.Prof. KEETON and Mr. MYERS.	2:30 to 3:30 Experimental Pharmacology. Mr. MYERS.	2:30 to 3:30 Experimental Pharmacology. Mr. MYERS.		
3				Minor Surgery. Dr. LEMPE.	Anatomy of Nervous System. Prof. GORDINIER.		
4							
5				Surg. Technic. Dr. J. N. VANDER VEER.	Recitation in Anatomy of Nervous System. Dr. KIRK.		

ORDER OF INSTRUCTION—*Continued*

THIRD YEAR

HOOR.	MONDAY.	TUESDAY	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Neurology. Prof. HUN.	Ophthalmology Dr. BEDELL Electro-Therap. Dr. MOSHER	Therapeutics. Prof. VAN RENS- SELAER.	Obstetrics. Cl. Prof. LIPES.	Surgery. Prof. E. A. VANDER VEER.	Theory and Prac. Prof. VAN RENS- SELAER.
10	Theory and Prac. Prof. VAN RENS- SELAER.	Theory and Practice. Prof. WARD.	Pediatrics. Prof. BOYD.	Hygiene. Dr. ROONEY.	Theory and Practice. Prof. WARD.	Medical Clinic. Albany Hosp. Prof. WARD.
11	Clinical Work in Sections.	Clinical Work in Sections.	Obstetrics. Cl. Prof. LIPES.	Therapeutics. Prof. VAN RENS- SELAER.	Operative Surgery. Prof. MORROW.	Surgical Clinic. Albany Hosp. Profs. VANDER VEER, MORROW, ELTING and E. A. VANDER VEER.
12			Surgical Clinic. Albany Hosp.	Clinical Work in Dermatology Laryngology Otology.	Med. Jurisprud. Prof. M'FARLANE	
2					X-Rays. Dr. BERRY.	
3	Fractures and Dislocations. Prof. MORROW.	Recit. in Theory and Practice. Drs. CORNING and WINNE.	Recit. in Surgery. Drs. TRAVER, DONHAUSER and DRAPER.	2:30 to 4:30 Clinical Microscopy. Dr. HAWN.	2:30 to 3:30 Surg. Pathology. Dr. DRAPER.	
4	Phys. Diag. Sec. A. Prof. MAC- FARLANE. Rec. Therapeut. Sec. B. Dr. DOUGLAS.	Phys. Diag. Sec. B. Prof. MAC- FARLANE, Sec. A. Rec. Gastro- Enteric Diseases. Prof. NEUMAN.	Gynecology. Prof. SAMPSON.		Clin. Pathology. Prof. BERNSTEIN.	
5	Surgical Diagnosis. Dr. DONHAUSER.		Hygiene and Public Health	Digestive Diseases. Prof. NEUMAN.	Neurological Clinic. Prof. HUN.	

FOURTH YEAR

HOOR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Neurology. Prof. HUN.	Orthopedic Surgery. Prof. MORROW.	Surgery. Prof. ELTING.	Surgery. Prof. MORROW.	Surgery. Prof. E. A. VANDER VEER.	Surgical Conference. Dr. GUTMANN.
10	Obstetrics. Prof. BOYD.	Medicine. Prof. WARD.	10:20 to 1 Med., Surg., Dermatol. and Laryngol. Clinics St. Peter's. Profs. HUN, VAN RENSELAER, MACFARLANE, and ELTING, Drs. WILTSE and THEISEN.	Obstetrics. Prof. BOYD.	Medicine. Prof. WARD.	Medical Clinic. Albany Hosp. Prof. WARD.
11	Clinical Work. Class divided into four Sections.	Clinical work. Class divided into four Sections.	Recitation Surgery. Gynecology and Obstetrics. Prof. SAMPSON & Cl. Pf. LOCHNER.	Recitation Surgery.	Clinical Work. Class divided into four Sections.	Surgical Clinic. Albany Hosp. Profs. VANDER VEER, MORROW, ELTING and E. A. VANDER VEER.
12				Gynecology and Obstetrics. Prof. SAMPSON & Cl. Pf. LOCHNER.		
2						
3	2:30 to 6 Clinical Work in Hospitals and Laboratory. Class divided into groups.	2:30 to 6 Clinical Work in Hospitals and Laboratory. Class divided into groups.	Recitation in Medicine. Prof. NEUMAN.	2:30 to 5 Clinical Work in Hospitals and Laboratory. Class divided into groups.	2:30 to 5 Clinical Work in Hospitals and Laboratory. Class divided into groups.	
4			Medical Conference. Prof. HUN.			
5			Rec. in Specialties Pf. ROOT, Ad. Pf. ARCH BAULT & Dr. LANAHAN.	Digestive Diseases. Prof. NEUMAN.	Neurological Clinic. Prof. HUN.	

CLINICAL COURSES, 1913-14

(Morning assignments of fourth year class. The class divided into four sections)

SECTION A

Hour.	DATE	MONDAY.	TUESDAY.	FRIDAY.
11:30 to 1:00	September 29 to November 14.	Ophthalmology Dr. Merrill Albany Hospital	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Dispen.
	November 17 to January 23.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	February 2 to March 20.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	March 23 to May 8.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.

SECTION B

11:30 to 1:00	September 29 to November 14.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.
	November 17 to January 23.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Disp'sry
	February 2 to March 20.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	March 23 to May 8.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital.

SECTION C

11:30 to 1:00	September 29 to November 14.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital
	November 17 to January 23.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.
	February 2 to March 20.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Disp'sry
	March 23 to May 8	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital.

SECTION D

11:30 to 1:00	September 29 to November 14.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	November 17 to January 23.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Merrill Albany Hospital.
	February 2 to March 20.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ty Dr. Mosher Albany Hospital.
	March 23 to May 8.	Ophthalmology Dr. Merrill Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Disp'sry

NOTE.—Notice for afternoon assignments, which are from 2:30 to 5:30 P. M., will be posted as occasion demands.

OUTLINES OF COURSES

Theory and Practice of Medicine, etc.

PROFS. WARD, CURTIS, HUN, VAN RENSSELAER, MACFARLANE, ROOT, NEUMAN AND BERNSTEIN; CL. PROFS. MOSHER, SAUTTER, THEISEN; AD. PROF. ARCHAMBAULT AND DRS. ROONEY, HAWN AND MCCORD.

Theory and Practice. Prof. Ward delivers a systematic course of lectures to the third and fourth year classes, and Prof. Van Rensselaer to the second and third year classes. Prof. Hun conducts each week a medical conference in which students report cases which they have seen and examined and these reports are criticised by the class. These courses are supplemented by study in a standard text-book; weekly recitations are held on the subject matter of the lectures, and a course upon gastro-enteric diseases is given by Prof. Neuman to the fourth year class. Hygiene is taught in lectures which have special reference to the needs of the general practitioner.

Clinical Medicine. Prof. Ward holds a medical clinic each week, at the Albany Hospital, and Prof. Hun each week, at St. Peter's Hospital, before the third and fourth year classes. In these clinics students have opportunities to examine cases, their examination and diagnosis being criticised by the professor.

Neurology, Insanity and Medical Jurisprudence. The instruction in neurology extends over three years. It commences in the second year during which Prof. Gordinier gives each week an illustrated lecture on the anatomy and physiology, and Ad. Prof. Archambault a laboratory exercise of two hours a week, devoted to the gross and microscopic study of the normal and pathological anatomy of the nervous system. The third and fourth year classes are taught by Prof. Hun. During the third year the class attends one didactic and one clinical lecture and one recitation on diseases of the nervous system each week throughout the year and a demonstrative lecture on electro-therapeutics during one-half of the year. During the fourth year the students attend one didactic and one clinical lecture, and one recitation on diseases of the nervous system each week throughout the year. Each patient exhibited is assigned to two students, who having examined him previously, report on the case at the clinical lecture. During the fourth year also, the class being divided into small groups, each student is trained in the out-patient department in the methods of examination of patients. Practical work in the administration of electricity is also given to each student during the fourth year, the class being divided into sections.

Insanity: The fourth year class, divided into sections, receives clinical instruction under Cl. Prof. Mosher in mental disorders in the wards of Pavilion F at the Albany Hospital.

Medical jurisprudence is taught by weekly didactic lectures during one-half of the year.

Diseases of the Skin. Prof. Curtis presents this subject in the clinical courses and illustrates it fully by the exhibition of cases and plates.

Diseases of the Throat and Nose. This subject is presented in the clinical courses by Prof. Root and Cl. Prof. Theisen in such manner that the student is familiarized with the diseases of these parts and made acquainted with the various methods for the examination and treatment of laryngeal and nasal disorders, individual instruction being given to each student.

Physical diagnosis. The third year class divided in sections are taught practically the principles and signs of physical diagnosis in the examination of the body both in health and disease under Prof. MacFarlane. The second year class in small divisions receive practical instruction during the second term in the examination of the normal chest by Drs. Corning, Douglas, Meyers and Fromm.

Clinical Microscopy. The third year class has practical laboratory work in microscopy, including the examination of the urine, blood, sputum, feces, cerebro-spinal fluid, exudates and transudates for clinical diagnosis.

Surgery

PROFS. A. VANDER VEER, MERRILL, MORROW, ELTING, E. A. VANDER VEER AND BERNSTEIN; CL. PROFS. BENDELL, SAUTTER, AND DRs. MOORE, LEMPE, J. N. VANDER VEER, BEDELL, WILTSE, GUTMANN, DONHAUSER, TRAVER AND BERRY.

In the lectures on surgical pathology, the method by which tissues are nourished in health having been discussed, the subjects of hypertrophy and atrophy are taken up, and then attention is given to the pathology of the methods by which wounds heal, and to the processes of inflammation, suppuration, ulceration, gangrene, necrosis, septicemia, pyemia, sapremia, poisoned wounds, etc. A considerable portion of the surgical course is devoted to pathology, in which students must be well grounded. The course in operative surgery, by Prof. Morrow, is thorough and includes all the usual operations. Material for the illustration of this course is sufficient, and students are required to operate upon the cadaver. In the department of principles and practice of surgery, particular attention is given to diagnosis, and all didactic teaching in the various branches of surgery is richly illustrated with clinical material furnished by the several hospitals.

Fractures and Dislocations. This subject is treated practically in a course of lectures in which the various fractures and dislocations are illustrated by a specially prepared skeleton. The employment of the various means for the reduction of dislocations and the preparation of splints and other surgical appliances, is taught in the lecture room, followed by clinical instruction at the hospital, students being required to examine and diagnose injuries, and to select, prepare and apply proper dressings for reduction and the retention of the appliances used. A very complete Roentgen ray apparatus is employed and its use is taught in every detail by frequent demonstrations.

Ophthalmology and Otology are taught by both didactic and clinical lectures and recitations, the students being required to examine and diagnose the cases. Practical exercises are held in the use of the ophthalmoscope, the determination of glasses and the performance of various operations. The eye and ear clinics are held every Monday and Friday at noon during the year.

Orthopedic Surgery is taught by lectures combined with clinical instruction, the various hospitals furnishing an abundance of material for the illustration of this important subject.

Abdominal Surgery, by means of didactic lectures richly illustrated with charts, through the surgical conference, section work and clinics, is taught in every detail.

Genito-Urinary Diseases. Diseases of the genito-urinary system are taught in the fourth year by lectures and practical exercises in clinical instruction, the sections of the class doing actual consultation work and discussing the cases exhibited. The groundwork of this subject is taught in the various clinics, including actual handling of cases and the use of the cystoscope, segregator, endoscope, ureteral catheterization and functional diagnostic work on the kidneys by means of the various tests. In this way students are made familiar with the various clinical reasonings whereby surgical diagnoses and prognoses are arrived at and proper treatment determined.

Minor Surgery is fully presented by lectures and clinical demonstrations.

Clinical instruction is given in the various hospitals in the use and administration of anaesthetics.

Obstetrics, Gynecology and Diseases of Children

PROFS. BOYD AND SAMPSON; CL. PROFS. LIPES, LOCHNER AND SHAW.

These subjects are treated in courses of didactic and clinical lectures on the science and art of obstetrics; on gynecology, and on the diseases of children. Recitations are held weekly during the term. Members of the senior class are required each to attend six or more cases of labor. Practical instruction in obstetrics is given at the Albany Hospital and also in the obstetric department

of the Albany Guild for the Care of the Sick. Clinical material for the course in pediatrics is obtained from the Child's Hospital, St. Margaret's House for Infants, the Albany Orphan Asylum, the Lathrop Memorial, the dispensary of the Albany Hospital and the South End Dispensary. A course is given at the Bender Laboratory in obstetrical and gynecological histology, embryology and pathology by lantern slide demonstrations and the exhibition of suitable specimens.

Gynecology is treated by a course of class room studies in which the various normal and abnormal conditions of the pelvic organs are presented to the students in the form of illustrated problems which they are asked to solve. The solution of these problems is supplemented by additional information necessary to complete the subject under discussion. This exercise is held once a week throughout the entire junior, and one-half of the senior year. Practical instruction is given to the senior class (in small groups) at the South End Dispensary.

Chemistry

PROF. TUCKER, AD. PROF. KEETON, AND MR. LARKIN AND MR. MYERS.

The courses in this department include lectures upon the principles of chemistry; the non-metals, and metals, with their more important medicinal compounds; and organic and physiological chemistry, which is very fully treated, including urinalysis and toxicology. Pharmacopœial compounds receive especial attention, and considerable time is given to the chemical examination of potable water and other matters pertaining to sanitary chemistry as related to water supply, sewage disposal, ventilation, disinfection, food adulteration and kindred topics. Inorganic chemistry is studied during the first half of the first year, and organic chemistry during the second half of this year. Physiological chemistry is taught by laboratory work, lectures and recitations during the first half of the second year. The lectures are abundantly illustrated and recitations are held in each department.

Anatomy

PROFS. CRAIG, GORDINIER AND BERNSTEIN, AND DRs. LOMAX, AYER, FOX AND MULLENS.

The course in anatomy consists of explanatory lectures and recitations, with illustrations and demonstrations from the human subject and preparations from the museum. A lantern with complete outfit for reflection and projection with microscopic attachment has been added to the equipment and is frequently used for demonstrations during the anatomical lectures. The course extends through the first and second years.

Students are required to take practical courses during the first

year in the Anatomical Laboratory and to dissect during that year, under the direction of the Professor of Anatomy, the lateral half of a human cadaver.

While systematic anatomy is made the basis of study for the first and second years, practical application of anatomy to medicine and surgery is explained in the lectures and regional anatomy given prominent consideration in the laboratory. Laboratory conferences are held each laboratory day by the Professor of Anatomy.

A full time Instructor in Anatomy will be at the college daily throughout the session to assist students in their anatomical laboratory work and to make available for instruction all museum specimens and to prepare demonstrations of fresh material for the instruction of the students.

During the second year special consideration is given topographical and applied anatomy and central nervous system is adequately demonstrated.

Histology and embryology are taught by practical laboratory work as elsewhere described.

Materia Medica and Therapeutics

PROF. VAN RENSSELAER; ADJ. PROF. DAWES, AND CL. PROF. MOSHER.

The didactic lectures on materia medica are illustrated by all the official crude drugs, together with prints and specimens of the various official compounds and preparations. In addition there has been added a practical course, in which the organic crude drugs are carefully studied in detail and instruction is given in the methods used in compounding the various important pharmacopœial preparations. In the lectures on therapeutics, which extend through the second and third years, a course is given on prescription writing; and a comprehensive study of the therapeutics of drugs by classes is made. Special attention is given to the demonstration of the action of therapeutic agents, and to the methods of their administration.

During the third year the presentation of the different means and methods of medication resorted to in the treatment of disease is continued, and a separate course on physiological therapeutics is added, including Swedish movements, massage, ærotherapeutics, climatology, hydrotherapeutics, balneotherapy, dietetics, hypnotism, the rest cure, etc. A special course is given in electrotherapeutics. Recitations are held weekly.

Physiology

PROF. GORDINIER, ADJ. PROF. KEETON AND MR. MYERS.

Didactic and experimental lectures are given upon this subject to the first and second year classes throughout the college term.

These lectures are profusely illustrated by the aid of a projectoscope and lantern, portable microscopes, models and diagrams. Special attention is paid to the physiology of the circulation, digestion, absorption, secretions, animal heat and metabolism. A large part of the lectures to the second year class by Prof. Gordinier are devoted to the very modern physiology of the nervous system and localization.

PRACTICAL CLINICAL COURSES

In order to familiarize students with the practical work of their profession, and to bring them into closer personal contact with patients, the fourth year class is divided into sections of eight or ten men, and on four days in each week each man devotes several hours to the examination and personal observation, under the supervision of the instructors, of patients in the wards and out-patient departments of the various hospitals and dispensaries. In this clinical work especial attention is devoted to the complete examination of the blood, urine, sputum and stomach contents, as well as to the special examination of the eye, ear and other organs. Thus in the course of the school year the men in each section acquire practical knowledge and technical diagnostic dexterity in general medicine, general surgery, gynecology, dermatology, neurology, insanity, otology, laryngology, ophthalmology, rhinology, diseases of children and infants, infant feeding, diseases of the rectum and genito-urinary tract, operative surgery, orthopedic surgery, clinical and operative obstetrics, electrotherapeutics and medical technic.

LABORATORIES

Analytical and Toxicological Chemistry

The chemical laboratory is well furnished, conveniently arranged and supplied with all necessary apparatus. The laboratory course is preceded by some lessons upon the essential principles of theoretical chemistry, including the laws of combination and valence, and these subjects are therefore more briefly treated in the regular lecture course. The practical laboratory work includes tests for those metals and acids, which, in combination, are important as constituents of medicinal compounds or as poisons, together with the separation of the chief groups, volumetric analysis, the examination of unknown substances and toxicology. All chemical reactions are written upon the black-board, discussed by the class, and entered upon their notes.

Physiological Chemistry, Experimental Physiology and Experimental Pharmacology

The Physiological Chemistry has been placed in the first half of the second year, two afternoons per week from 2 P. M. until

5:30 P. M. are devoted to laboratory work, three hours to recitations and lectures. The laboratory is equipped with sufficient desks and apparatus to give the men opportunity for developing technique in chemical work.

The experiments cover the usual subjects, of constituents of protoplasm, tests for these, chemical mechanisms involved in digestion, absorption and metabolism. An attempt is made to have the students appreciate thoroughly the chemical facts lying back of the usual tests that he will have to apply. The metabolism of the organism and its relation to diet are emphasized so that he will be in a measure prepared for the problems of pathological dietetics.

The work in Experimental Physiology is given during the second half of the second year at the Bender Laboratory. Three afternoons per week from 2 P. M. to 5 P. M. are devoted to it.

As the experiments are performed very largely on mammals it is necessary to divide the students into groups, and each group is responsible for the satisfactory completion of the assigned experiment. In order to economize time and effort, the group is so organized that a rotation of duties results. During one experiment a given member will be held responsible for the proper administration of the anæsthetic; in the next he will become surgeon, and at a third time he will handle the apparatus. In this way each man gets training in all the details of physiological work.

The experiments are planned with the end in view of giving the students a thorough grounding in the large problems of how the organism co-ordinates and integrates all the specific activities into a workable machine. The points at which this co-ordination is capable of being affected by drugs and other means are considered. The desire is present to give the men such a comprehensive grasp of the mechanism of physiological action that the sole and unthinking acceptance of therapeutic measures will be unnecessary. Finally such a course gives an opportunity for development of a technique in handling living tissues that ought to be extremely helpful in future hospital training.

The course in Experimental Pharmacology consists of lectures, laboratory work, demonstrations and discussions. As presented, this course is very closely allied to Experimental Physiology. The nerve mechanisms and the normal processes taking place in the different organs of the body are first considered, followed by a study of the changes in these normal processes brought about by drugs. In this way the fundamental basis of the action of drugs is clearly demonstrated.

Anatomy

The dissecting and demonstration laboratories and the recitation rooms are well lighted and equipped and an ample supply of

carefully prepared material is available. An endeavor is made to make the entire course in anatomy practical, consistent and useful, and to assist the student in laying a broad foundation of anatomical knowledge on which to build future courses in didactic and clinical medicine and surgery.

Histology, Embryology, Pathology, Bacteriology and Clinical Microscopy

Work in these departments is carried on in the Bender Hygienic Laboratory, on South Lake Avenue, near the Albany Hospital.

This building was erected by the late Matthew W. Bender of Albany, and is thoroughly equipped with the apparatus necessary for the study of histology, pathology, bacteriology and clinical microscopy. Practical work in these branches is obligatory upon all students, and abundant opportunity is furnished in the laboratory for acquiring a thorough knowledge of these important subjects. An electric lantern which is adapted to the projection of pictures and microscopic preparations as well as lantern slides is used to supplement the more practical methods of demonstration.

Histology. The work consists of explanatory talks covering the subject of the day's study, followed by practical exercises in the laboratory.

Embryology. The star-fish egg is studied for early segmentation stages; gross and microscopic examination of a series of hen's eggs for formation of germ layers and development of the nervous and vascular systems. In a similar way the embryo of the pig is used for the development of the organs which is taken up again, according to the plan of Lewis, when each organ is studied histologically.

Bacteriology. The work consists of lectures followed by practical laboratory exercises. It is intended to render the student familiar with the underlying principles of bacteriology and their application to clinical medicine and surgery.

Pathology. The work consists of a short lecture on the subject under discussion for the day followed by practical exercises in pathological anatomy and histology. Besides this the students are instructed in the technique of making autopsies, and examine material from autopsies and surgical operations. Demonstrations in experimental pathology are introduced whenever possible.

Clinical Microscopy. The course consists of preliminary talks followed by practical work in the examination of blood, urine, sputum, fæces, stomach contents, exudates, etc.; and includes a short course in clinical bacteriology.

Clinical Pathology.—In this course histories of clinical cases are discussed. Pathological material bearing on these cases are given for gross and microscopic study.

In all these courses the student is taught independent methods

of work and is required to keep a permanent record, illustrated by drawings, of all laboratory exercises.

A limited number of students who have shown proper aptitude are offered the opportunity to work along more advanced lines.

For the alumni of this school, and for the profession at large, this laboratory offers excellent facilities for bacteriological and pathological examination of specimens, and for the examination of urine, sputum, and blood, including the Wassermann-Noguchi reaction. Information regarding such examinations may be obtained by communicating with Dr. H. S. Bernstein, Director, Bender Laboratory, South Lake Avenue, Albany.

ENTRANCE REQUIREMENTS

All candidates for admission for 1913-14 must comply with the requirements of the New York State Education Department as fully stated on pages 38-40.

Medical Student Certificate — When all requirements are fulfilled, the Department issues a medical student certificate which is required for entrance and which the candidate must file with the Registrar of the college.

Address all communications relating to this certificate to Examinations Division, New York State Education Department, Albany, N. Y., and not to this college.

Amended Rules of Regents Adopted July 2, 1913, regarding Admission of Medical Students

VOTED, That the medical colleges be authorized to admit students who have the 60 counts necessary for a medical student certificate but who may be deficient in one or more of the pre-academic sciences, viz., physics, chemistry and biology, and who may not have had notice that these sciences were to be a prerequisite to the medical student certificate after January 1, 1913; and be it further

VOTED, That said students shall not be for the first year matriculant students, but on certificate of the college authorities that they have satisfactorily made up all deficiencies in the above named sciences by satisfactorily completing a year's study of the same, medical student certificates will be issued to them and they may then be matriculated as of the date of their entrance to the college as special students. This concession will apply only to students seeking admission to the medical colleges in the fall of 1913.

Advanced Entrance Requirements in 1914-15

Beginning with the session of 1914-1915 candidates for admission will be required to furnish evidence of one year's work in a college or scientific school in physics, biology, inorganic chemistry and a modern language. Union College, Schenectady, N. Y., has arranged for a collegiate year embracing these subjects.

FEES AND EXPENSES

Fees, excepting the final examination fee, are payable each year in advance, are not returnable, and, for 1913-14, are as follows: (With the next session these fees will be increased.)

FIRST YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Chemical Laboratory	10 00
Histological Laboratory	10 00
Dissection (including material)	10 00
	\$135 00
SECOND YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Bacteriological and Pathological Laboratory	20 00
Physiological Chemistry and Experimental Physiology ..	15 00
	140 00
THIRD YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Clinical Microscopy and Pathology	15 00
	120 00
FOURTH YEAR	
Matriculation	\$5 00
Lecture Course	100 00
Final Examination	25 00
	130 00

In addition to the fees above stated, an annual charge of two dollars is made to members of the first, second and third year classes, for the use of microscopes and other apparatus. This fee is paid to the director at the Bender Laboratory after laboratory tickets have been issued by the registrar. For the laboratory work in physiological chemistry there is a fee of two dollars to cover use of apparatus and breakage payable to the director at the beginning of the session.

All fees are payable strictly in advance except that the final examination fee may be paid at any time before the examinations begin. Students from other colleges applying for admission to advanced standing as herein provided will be required to pay the matriculation fee and also five dollars for each department in which they may be examined. Graduates of the school may attend lectures and stated clinics without charge except for matriculation in case of prolonged attendance.

The cost of living in Albany is less than in most other cities of its size. A list of boarding houses is kept by the janitor, and

also at the Students' Club, at which good rooms and board can be obtained at from four to five dollars a week or upwards, and by clubbing together students can live comfortably at still lower rates. No estimate can well be made of cost of text-books and other personal expenses since these of necessity vary greatly in different cases.

BOOKS RECOMMENDED

FOR TEXT BOOKS.	BOOKS RECOMMENDED FOR REFERENCE.
ANATOMY—Gray, Cunningham's Manual ...	Cunningham, Heisler, Toldt's Atlas.
ANATOMY NERVOUS SYSTEM—Gordinier. . . .	Edinger, Dejerine, Van Gehuchten.
HISTOLOGY—Stöhr (Lewis)	Schafer, Szymonowicz, Ferguson. [McConnell
PATHOLOGY—Delafield & Prudden	Zeigler, Stengel, Mallory and Wright, Adami,
BACTERIOLOGY—Jordan	Muir and Ritchie, McFarland, Park, Hiss & Zinzer
PHYSIOLOGY—Howell	Landois, Schaefer, Foster, Tigerstedt.
EXPER. PHYSIOL.—Syllabus	Beddard, Krehl, Busch, Brodie, Stewart.
MATERIA MEDICA—Wood's Pharm. and Ther.	Nat. Dispens., U. S. Phar., Nat. Formulary
PHARMACOLOGY—Dixon	Cushney, Sollmann, Gottlieb and Meyer.
THERAPEUTICS—Hare	Foster.
ELECT. THERAP. AND DIAG.—Turner, Mosher	Hedley.
THROAT AND NOSE—Kyle	Coakley, Shurley, Bosworth.
INORGAN. CHEM.—Sadtler and Coblenz. . . .	Holland, Simon, Bartley, Witthaus.
ANALYTICAL CHEMISTRY—Laboratory Notes	Bartley Clin. Chem. Rockwood.
ORGANIC CHEMISTRY—Sadtler & Coblenz. . .	Bartley, Richter, Holland.
PHYSIOL. CHEMISTRY—Hawk	Long, Hammersten, C. E. Simon, Hoppe-Seyler.
MED. JURISPRUD. AND TOXICOL.—Reese	Hamilton, Wormley, Herold, Autenrieth.
CHEMISTRY OF URINE—Tyson	Ogden, Saxe, Purdy.
THEORY AND PRACTICE—Anders	Osler, Thompson, Tyson, Wood and Fitz, Edwards and Hare, Forcheimer.
GASTRO-ENTERIC DISEASES—Hemmeter	Boaz.
PHYS. DIAG.—Musser, MacFarlane	Le Fevre, Anders.
CLIN. MICROSCOPY—Syllabus	Simon, Emerson, Sahli, Faight, Todd.
HYGIENE—Bergey	Harrington, Rohé and Robin.
MENTAL DISEASES—Mosher's Syllabus	Clouston.
DERMATOLOGY—Jackson	Hyde, Crocker, Pusey, Schamberg.
NEUROLOGY—Hun's Syllabus, Hun's Diagnosis	Church & Peterson, Starr.
HISTORY OF MEDICINE—Park	Baas.
FRAC. AND DISLOCATIONS—Stimson	Scudder, Cotton.
PRIN. AND PRAC. SURG.—Mumford	Parks, Da-Costa, Fowler, Rose and Carless
SURGICAL PATHOLOGY—Warren	Lexner-Bevan, Keen's System, Bryant.
OPERATIVE SURGERY—Bryant	Billroth-Winiwarter, Senn.
ASEPTIC TREATMENT WOUNDS—Beck	Kocher, Smith, Binnie, McGrath, Bickham, Stewart.
SYPHILIS—White & Martin	Thornbury, Stewart.
GENITO-URINARY—Chetwood	Keyes, Morrow, Taylor, Morton, Fournier.
SURGICAL DIAGNOSIS—Berg	Watson and Cunningham, Cabot, Pilcher
MINOR SURGERY—Wharton	Faight, Guiteras.
ORTHOPEDIC SURGERY—Bradford & Lovett.	Eisendrath, Albert. Martin.
ABDOMINAL SURGERY—Douglas	Foote.
SURGICAL ANATOMY—Campbell	Young, Whitman.
OPHTHALMOLOGY—May	Moynihan, Noble and Kelly.
OTOLOGY—Barnhill & Wales	Fuchs, DeSchweinitz.
OBSTETRICS—Williams	Dench, Politzer.
GYNECOLOGY—Sampson	Hirst, Edgar, King.
DISEASES OF CHILDREN—Holt	Kelly's Med. Gynecology.
	Rotch, Koplik Kerley, Pfaundler and Schlossman (Shaw).
DICTIONARY—Stedman Med. Dict., Dorland Med. Dict., Gould, Lippincott Med. Dict.	

PRIZES AND HOSPITAL APPOINTMENTS

The S. Oakley Vander Poel prize, consisting of a clinical microscope, is awarded to the senior student passing the best bedside examination in general medicine. This prize was endowed by Mrs. Vander Poel in memory of her husband for many years a professor in this college.

Professors Vander Veer and Elting offer a prize of seventy-five dollars for the best report of the surgical clinics held during the session, and Professor Morrow and Dr. Traver offer a prize of a complete pocket case of instruments for the second best report of these clinics.

Professor Merrill offers a prize consisting of an ophthalmoscope for the best final examination in ophthalmology.

The Townsend physiological prize, endowed by the late Prof. Franklin Townsend, Jr., M.D., is awarded to the student passing the best examination in physiology at the expiration of his first year of study in that branch.

Professor Boyd offers a case of instruments to the senior student passing the best final examinations in obstetrics.

A prize consisting of a case of surgical instruments, in memory of the late Dr. T. W. Nellis (A. M. C., '81), is offered by his brother, Dr. W. J. Nellis (A. M. C., '79), of Albany, to the senior student having the highest standing at the end of the session.

Dr. Lempe offers a prize of fifty dollars to the second year student submitting the best report of the lectures on minor surgery.

The Daggett trust. Pursuant to the provisions of a bequest by the late Dr. Nathan G. Daggett, of Schenectady, N. Y., an alumnus of the college of the class of '67, the following prizes are announced for the ensuing year:

1. For the best "anatomical specimens," a first prize of sixty dollars, and a second prize of thirty dollars. In 1914 these prizes will be awarded to the students presenting the best and second best series of specimens, prepared under the direction of the demonstrator of anatomy, indicating original research by the competitors.

For the methods of preparation of the specimens to be competed for this year and for the formulæ to be used in the injections, application can be made to the Professor of Anatomy.

Preparations must be ready to be deposited with the professor of

anatomy by May 15, 1914. All specimens submitted in competition for the prizes are to be the property of the college, whether awarded prizes or not. Prizes will be awarded only to preparations of merit. Further information may be obtained from the professor of anatomy.

2. For the best "deportment irrespective of scholarship," as determined by the faculty, a first prize of sixty dollars, and a second prize of thirty dollars, these prizes restricted to members of the graduating class.

At or about the close of each session, vacancies occur in the house staffs of the Albany hospitals and these are filled by competitive examinations, open to the members of the graduating class.

REQUIREMENTS FOR GRADUATION

The candidate must be twenty-one years of age, and exhibit a certificate from a physician or surgeon, duly authorized by law to practice his profession, that he has studied medicine and surgery under his instruction during the period required by law in this state (see page 40, sec. 4), and he must present evidence of having complied with the law concerning preliminary education (see pages 38-40).

He must have attended not less than four regular courses of lectures of which the last shall have been at this college.

Students who have attended one or more courses of lectures at other registered medical colleges may be admitted to advanced standing in this college if they submit proper evidence of such attendance and a precise statement of subjects included in "Examination Departments," page 30, in which satisfactory final examinations have been passed, and comply with the requirements stated under "Examination Rules," page 31. No credit will be given for work done elsewhere in fourth year departments.

He must be of good moral character.

He must maintain a satisfactory standing during his course and pass satisfactory final examinations in the several branches taught.

Regular and punctual attendance is required, and matriculation tickets are endorsed with attendance at the end of the term.

For catalogues or further information, address

WILLIS G. TUCKER, M. D., *Registrar*,

July 15, 1913.

Albany, N. Y.

EXAMINATION DEPARTMENTS

First Year

FINALS

1. Anatomy — Dr. Craig.
2. Histology and Embryology — Drs. Bernstein and Ayer.
3. Inorganic Chemistry — Dr. Tucker and Mr. Larkin.
4. Organic Chemistry and Toxicology — Dr. Tucker.

SEMI-FINALS

5. Physiology — Dr. Gordinier.

Second Year

FINALS

1. Physiology — Dr. Gordinier and Mr. Keeton.
2. Physiological Chemistry — Messrs. Keeton and Myers.
3. Bacteriology — Dr. Bernstein.
4. Pathology (including Surgical Pathology and Pathology of the Nervous System) — Drs. Bernstein and Archambault.
5. Theory and Practice (including Physical Diagnosis) — Drs. Van Rensselaer and MacFarlane.
6. Materia Medica — Dr. Dawes.
7. Surgery — Drs. Albert Vander Veer, Lempe and James Vander Veer.
8. Anatomy (including gross and microscopic Anatomy of the Nervous System) — Drs. Craig, Gordinier and Archambault.
9. Experimental Pharmacology — Mr. Myers.

Third Year

FINALS

1. Therapeutics (including Electro-therapeutics) — Drs. Van Rensselaer and Mosher.
2. Theory and Practice (including Physical Diagnosis and Medical Jurisprudence) — Drs. Ward, Van Rensselaer, MacFarlane and Neuman.
3. Surgery (including Surgical Pathology, Operative Surgery, Fractures and Dislocations and X-Ray) — Drs. Albert Vander Veer, Morrow and Berry.
4. Neurology — Dr. Hun.
5. Obstetrics — Drs. Boyd and Lipes.
6. Pediatrics — Drs. Boyd and Shaw.
7. Gynecology — Dr. Sampson.
8. Hygiene and Public Health — Drs. Ward and Rooney.
9. Clinical Pathology and Clinical Microscopy — Drs. Bernstein and Hawn.

SEMI-FINALS

10. Specialties — Ophthalmology, Dermatology, Laryngology, and Otology — Drs. Merrill, Curtis, Root, and Bendell.
11. Clinical Medicine and Surgery — Drs. Ward and Albert Vander Veer.

Fourth Year

1. Theory and Practice — Drs. Ward and Neuman.
2. Surgery — Drs. Albert Vander Veer, Morrow, Elting, and Edgar Vander Veer.
3. Obstetrics — Drs. Boyd and Lochner.
4. Gynecology — Dr. Sampson.
5. Neurology and Insanity — Drs. Hun and Mosher.
6. Specialties — Ophthalmology, Dermatology, Laryngology and Otology — Drs. Merrill, Curtis, Root, and Bendell.
7. Clinical Medicine and Surgery — Drs. Ward and Albert Vander Veer.

EXAMINATION RULES

A student who, at the end of the college year, as the result of his work and examination combined, is deficient in more than two departments of the first; in more than four of the second; or in more than five of the third year, is required to repeat the year's work and is re-examined in *all* subjects at its close.

A student not so debarred who fails in one or more departments is examined in October in the subjects in which he is conditioned and if he then fails in more than one department of the first year or has more than two conditions in all at the end of the second or third year, he is debarred from entering upon the work of the next higher year and is required to repeat the year's work.

The examination of students of the first, second or third year classes who may have failed in the spring examinations in one or more departments but not exceeding the number above stated, is held in October (for 1913 in week beginning October 6), and students failing at this time in no more departments than are allowed as above stated may be re-examined in these departments in the following spring.

Any student who, in the judgment of the faculty, is deemed incompetent to enter upon the work of the succeeding year will be debarred from so doing.

In the case of students from other colleges applying for admission to advanced standing in this college, their fitness to do so will be determined by the faculty in each instance, and these examination rules are not to be understood as giving to such applicants any right to demand admission to any of the classes.

STUDENTS 1912-1913

Fourth Year

NAME	RESIDENCE
William Alfred Ackroyd, B. S.	East Schodack
Wesley Mason Adams.....	Davenport
Morris Bryan Beecroft.....	Schaghticoke
Orvis Adoniram Brenenstuhl.....	Petersburg
David Truman Brewster, Jr., M. D.....	Montrose, Pa.
Darwin Alfred Bruce.....	Albany
John Leonard Byrnes.....	Schenectady
Garrett Marcellus Clowe.....	Schenectady
Walter Roy Liddel Coakley.....	Buffalo
Rufus Baker Crain.....	Richfield Springs
Nathaniel Crost	Saratoga Springs
Burke Diefendorf	Fort Plain
Jacob Drooz	Albany
Dwight Guilford Dudley.....	Maine
Paul Charles Fleri	Brooklyn
Hugh Vincent Foley	Watervliet
George Victor Genzmer.....	Pittsfield, Mass.
Elmer Ray Gladstone.....	Shavertown
Hugh Sewell Gregory.....	Horseheads
Raymond Hensel	Buffalo
Harry Smith Howard.....	Albany
Alson Joy Hull.....	Williamstown, Mass.
Eugene Fellner Hull.....	Berlin
Ray Holly Humphrey.....	Rensselaer
William James Jones.....	Amsterdam
Whitney Hotaling Joyce.....	Unadilla
Arthur Saul Katzenbogen	Brooklyn
William Herman Ladue, B. S.....	Albany
Roy Ludlum Lippincott.....	Campbell Hall
John Wellington Mambert	Churchtown
Schuyler McCulloch Martin.....	Albany
Raymond Francis McAloon.....	Keeseville
Gaetano Giuseppe Nicosia	Brooklyn
Michael Edward Nolan.....	Eagle Bridge
William O'Connor, B. S.....	New York
Elmer Harrison Ormsby.....	South Glens Falls
John Swart Parker	Oneonta
Robert Edward Plunkett	Troy
William Carl Rausch, Jr.	Albany
Conrad Aloysius Rissberger.....	Albany
Jacob Schneider	Brooklyn
Ernest Charles Schultz	Schenectady
Woodard Shaw	West Hebron
Walter Joseph Smith.....	Port Leyden
Axel Fridolf Swanson	Southampton, Mass.
John Daniel Tidaback	Bloomfield, N. J.
Harold Dwyer Tobin	Chateaugay
Guy Brownell Van Alstine	Canajoharie
Frank John Williams	Utica
Leon Wolff	Brooklyn
Charles Wesley Woodall .	Schenectady

Third Year

David Wiltsie Beard	Cobleskill
John Peter Byrnes.....	Pittsfield, Mass.

NAME	RESIDENCE
Edward James Callahan.....	Mechanicville
George Clay Carter.....	Albany
William Henry Casey.....	Troy
John Kenneth Crandall.....	Wappingers Falls
George Jacob Culver.....	Schenectady
Daniel Sylvester Cunning.....	Troy
Frank Edgerton Deeds.....	Schenectady
Albion James Fitzgerald.....	Albany
Frank Furlong.....	Highland
John Warren Gard.....	Auburn
Clarence Gardinier.....	Schenectady
*Alex Maxwell Gluckstein.....	Brooklyn
Parker Arthur Groff.....	Rome
Robert Wilhelm Helm.....	Saratoga Springs
John Thomas Hopkins Hogan.....	Troy
William Patrick Howard.....	Albany
Edwin Horton Huntington.....	Hopewell Junction
Charles Aubrey Joy.....	Springwater
Harry Vincent Judge.....	Albany
Wilbur Foster MacDonald.....	Schenectady
John Stoddard McCormick, Ph. G.....	Albany
Thomas Hugh McGrail.....	Albany
Floyd Guy Nellis.....	Boonville
Wilber Sylvester Newell.....	Syracuse
Vincent John Thomas O'Neill.....	Highland Falls
Julius Joseph Padula.....	Albany
Harry Day Parkhurst.....	West Winfield
Charles Adelbert Perry.....	Rome
Joseph Edward Randolph.....	Belleville, N. J.
Robert Reid, Jr.....	Schenectady
Harry Stephen Reynolds, B. S.....	Schenectady
Edward Louis Robbins.....	Syracuse
James Israel Schoonmaker.....	West Coxsackie
Frank Arthur Searle.....	Southampton, Mass.
Lewis Jeriah Smith.....	Westfield, Mass.
Theron Smith.....	Newburgh
Leo Ross Tighe.....	Cohoes
William Bernice Davidson Van Auken.....	Voorheesville
†James John Walsh, LL. B.....	Waterloo
William Irving Walsh.....	Troy
John Waluk.....	Amsterdam
Willard Elmer Wheelock.....	Canajoharie
Cecil Charles Whitemore.....	Albany
Fred DeGrande Wilson.....	Downsville
Laurence Randolph Worrell.....	Greene
Harry Theodore Wygant.....	Watervliet

Second Year

James MacFeeters Archibold.....	Cohoes
Percy Huntly Austin.....	Warrensburg
†Glen Beecher.....	Granville
Walter Schneider Bennett.....	Hartford
John Edward Burke.....	Schenectady
*Daniel Francis Carmody.....	Albany
John Dennis Carroll.....	Troy
Hugh Smith Chidester.....	Saugerties
Samuel Colliss.....	Brooklyn

* Matriculant only.

† Part of course.

NAME	RESIDENCE
Arthur Hiram Congdon	Fort Plain
Albert Nelson Crouch	Troy
Stephen Horace Curtis	Troy
Gerald Edward Dailey	Gloversville
Frank Edward Dean, Jr.	South Shaftsbury, Vt.
Irwin Van Olinda Decker	Troy
Arthur Maultby Dickinson	Albany
Francis Thomas Duffy	Troy
Loyal Lindsey Dunlop	Stony Creek
James Manning Dunn	Schenectady
Lawrence Joseph Early	Schenectady
Frederick George Eaton	Saratoga Springs
†Arthur Joseph Edson	Oneonta
Guy Fish	Indian Lake
James Walter Fitzgerald	Troy
Leon Willis Green	East Springfield
William Lester Grogan	Rome
Ralph Marsh Hall	Rensselaer
Raoul Albert Hebert	Cohoes
John Edward Heslin	Saratoga Springs
*Joseph Karger	New York
Sarkis Kevork Keshishian, A. B.	Schenectady
Stanley Morton King	Urlton
James Sarsfield Lyons	Albany
†James Breese McCormick	Troy
William Bernard McKeon	Troy
*Joseph William Miller	New York
Martin Alvin Murphy	Hoosick Falls
William Francis Nealon	Hoosick Falls
James Madison Neary	Watervliet
Charles Luman Nichols	Philmont
John Joseph O'Connor	Albany
Jonathan Pearson, B. S.	Schenectady
Theodore Dorris Reed	Albany
George Stiles Reitter	Stepney Depot, Conn.
Homer Isaac Rexford	Watervliet
Arthur Grant Rodgers, Jr.	Rensselaer
*Joseph Devine Rosenthal	Brooklyn
William Joseph Ryan	Newport
Ernest Raymond Schilling	East Chatham
Frank Phillip Schneider	Utica
Benjamin Herman Shapiro	Glens Falls
Byron Gray Shults	Johnstown
Robert Cunningham Simpson, Jr.	Amsterdam
William Patrick Sweeny	Saratoga Springs
Charles William Tomlinson	Troy
Leonard Kip Van Dyck, A. B.	Philmont
Herbert Austin Vogel	Albany
Fred Vosburgh	Cobleskill
Archibald Albert Walker	Callicoon
John Joseph Ward	Johnstown
*Earl Charles Waterbury	Campbell Hall
Bernath Weiss	Brooklyn

First Year

†Theodore Jay Angell	Chatham
Harold Arthur Bancroft	Schenectady
Morgan Otto Barrett	Plattsburg
Raymond Gernand Bell	Auburn
Louis Alexander Bellegarde	Albany
Edward Oscar Boller	Elizabeth, N. J.
Thomas McGrath Brennock	Albany
William Charles Brons	Jamaica
James Raymond Cahill	Montgomery
William James Carroll	Sag Harbor
Harold Frank Cleveland, Ph. G.	Salem
Lawrence Henry Cotter	Poughkeepsie
*Howard Wilcox Davis	Schenectady
Frederick Graham Decker	Rensselaer
Walter Jerome Dillon	Watervliet

* Matriculant only.

† Died February 17, 1913.

‡ Part of course.

NAME	RESIDENCE
Richard Patrick Doody	Cohoes
*Eugene Aurelius Eicher, A. B.	Albany
Henry Edward Elwood, Jr.	Corning
Harry Gladstone Evens	Luzerne
Patrick Joseph Fitzgibbons	Amsterdam
Glenn Daniel Frost	Van Hornesville
William Edwin Gazeley	Albany
Karl Gebhard	Mount Vernon
†Hector Joseph Gibeau	Cohoes
†Joseph Arthur Gratton	Troy
Clarence Wilson Hall	Luzerne
Chester Aritus Hane	Albany
John Luverne Hemstead, Ph. G.	Waterford
Hyman Hershsberg	Albany
Herbert Tweedie Hewett	Minaville
Frederic William Holcomb	Palenville
Truman Earl Ives	Troy
Gerald Reid Jameison	Saratoga Springs
Howard Conkling Johnston	Horicon
Howard Marion Kenyon	Albany
John Christian Knapp	Philmont
Charles Augustus Krauss	Watervliet
**Herman Lasher	Kiskatom
Francis James Lawler	Pulaski
Milton Lester Lewis	Albany
Earl Cunningham MacCordy	Amsterdam
Frank Buckley Maguire	Albany
Tobia Domnick Marrazzo	New York
Royal Harrison Mayhew	Whitesboro
Edward Leo McDermott, B. S.	Schenectady
John Williams McKeever	Newburgh
Donald Esterbrook McKenna	Brooklyn
Walter McShane	Springfield Center
Alexander Leo Morey	Utica
†John Leo Mulcahy	Cohoes
Edward Bernard O'Keeffe	Hadley
Matthew Francis Olstein	Peekskill
†Francis Joseph O'Neil	New York
Robert Morris Palmer, A. B.	Gloversville
Orla James Park	Hudson Falls
Harold Artemus Peck	Albany
Ray Eugene Persons	Jewett
Donald Dean Prentice	Pittsfield, Mass.
Abraham Max Rabiner	Albany
John Joseph Randall	Troy
George Mark Richard	Corning
Clarence Fay Rinkle	Boonville
Leonard Walker Ripton	Johnstown
Lester Edwin Sanford	Albany
Leslie Boyd Seaport	Cohoes
Rudolph Jonas Shafer	Castleton
Edward Grady Sheehan	Watervliet
Vincent Gorman Smith	Central Bridge
Howard Barton Swan	Chestertown
Harry Anthony Taylor	Hudson
Harry Knibb Tebbutt, Jr.	Albany
Wesley Allter Van Deusen	St. Johnsville
Charles Francis Walsh	Watervliet
*Henry Russell Washbon	Morris
Theodore Stephen West	New York
Raeburn James Wharton	Summit
*Earle Wayne Wilkins	Albany
Ernest Clark Williams	Adams Center

* Matriculant only.

** Not in attendance.

† Part of course.

SUMMARY

Fourth Year Class.	51
Third Year Class.	48
Second Year Class.	62
First Year Class.	78

GRADUATES OF 1913

Commencement Exercises held at Odd Fellows' Hall

Tuesday, May 27, 1913

NAME	RESIDENCE
William Alfred Ackroyd, B. S.	East Schodack, N. Y.
Wesley Mason Adams	Davenport, N. Y.
Morris Bryan Beecroft	Schaghticoke, N. Y.
Orvis Adoniram Brenenstuhl	Petersburg, N. Y.
David Truman Brewster, Jr., M.D.	Montrose, Pa.
*Darwin Alfred Bruce	Albany, N. Y.
John Leonard Byrnes	Schenectady, N. Y.
Garrett Marcellus Clowe	Schenectady, N. Y.
Walter Roy Liddel Coakley	Buffalo, N. Y.
Rufus Baker Crain	Richfield Springs, N. Y.
Nathaniel Crost	Saratoga Springs, N. Y.
Burke Diefendorf	Fort Plain, N. Y.
Jacob Drooz	Albany, N. Y.
Dwight Guilford Dudley	Maine, N. Y.
Paul Charles Fleri	Brooklyn, N. Y.
Hugh Vincent Foley	Watervliet, N. Y.
George Victor Genzmer	Pittsfield, Mass.
Elmer Ray Gladstone	Shavertown, N. Y.
Hugh Sewell Gregory	Horseheads, N. Y.
Raymond Hensel	Buffalo, N. Y.
Harry Smith Howard	Albany, N. Y.
Alson Joy Hull	Williamstown, Mass.
Eugene Fellner Hull	Berlin, N. Y.
Ray Holly Humphrey	Rensselaer, N. Y.
William James Jones	Amsterdam, N. Y.
Whitney Hotaling Joyce	Unadilla, N. Y.
Arthur Saul Katzenbogen	Brooklyn, N. Y.
William Herman Ladue, B. S.	Albany, N. Y.
Roy Ludlum Lippincott	Campbell Hall, N. Y.
John Wellington Mambert	Churchtown, N. Y.
Schuyler McCulloch Martin	Albany, N. Y.
Raymond Francis McAloon	Keeseville, N. Y.
Gaetano Giuseppe Nicosia	Brooklyn, N. Y.
Michael Edward Nolan	Eagle Bridge, N. Y.
Elmer Harrison Ormsby	South Glens Falls, N. Y.
John Swart Parker	Oneonta, N. Y.
Robert Edward Plunkett	Troy, N. Y.
William Carl Rausch, Jr.	Albany, N. Y.
Conrad Aloysius Rissberger	Albany, N. Y.
Jacob Schneider	Brooklyn, N. Y.
Ernest Charles Schultz	Schenectady, N. Y.
Woodard Shaw	West Hebron, N. Y.
Walter Joseph Smith	Port Leyden, N. Y.
Axel Fridolf Swanson	Southampton, Mass.
John Daniel Tidaback	Bloomfield, N. J.
Harold Dwyer Tobin	Chateaugay, N. Y.
Guy Brownell Van Alstine	Canajoharie, N. Y.
Frank John Williams	Utica, N. Y.
Charles Wesley Woodall	Schenectady, N. Y.

* Mr. D. A. Bruce, not being of legal age, will receive his diploma in 1914.

PRIZES AND HOSPITAL APPOINTMENTS

1913

- Vander Poel prize, for best bedside examination in general medicine, to Dr. Walter J. Smith. Honorable mention to Dr. Elmer H. Ormsby.
- Vander Veer-Elting prize, for best report of surgical clinics to Dr. Elmer H. Ormsby.
- Morrow-Traver prize, for second best report, to Dr. Charles W. Woodall.
- Merrill prize, for best final examination in ophthalmology, to Dr. Michael E. Nolan.
- Townsend prize, for best examination in physiology at end of first year of study, to Mr. Clarence F. Rinkle. Honorable mention to Mr. John L. Hemstead.
- Boyd prize, for best final examination in obstetrics, to Dr. John W. Mambert.
- Nellis prize, for best final senior examination, to Dr. Wesley M. Adams. Honorable mention to Dr. Ray H. Humphrey.
- Daggett trust prizes, for best anatomical preparations, to Dr. Walter J. Smith.
- Daggett trust prize, for the best deportment, first to Dr. Rufus B. Crain; second to Dr. Axel F. Swanson.
- Lempe prize, for best report of second year minor surgery lectures, to Mr. Archibald A. Walker.
- Appointed Essayist for 1914, William P. Howard; alternate, John Waluk.
- ALBANY HOSPITAL APPOINTMENTS.—Drs. Wesley M. Adams, Elmer H. Ormsby, Jacob Drooz, Rufus B. Crain, Walter R. L. Coakley.
- ST. PETER'S HOSPITAL.—Drs. George V. Genzmer, Morris B. Beecroft, Burke Diefendorf and Conrad A. Rissberger.
- HOMEOPATHIC HOSPITAL.—Drs. Axel F. Swanson, John D. Tidaback, Harold D. Tobin and Raymond F. McAloon.
- TROY HOSPITAL.—Drs. Hugh V. Foley, Michael E. Nolan and Mr. Darwin A. Bruce.
- SAMARITAN HOSPITAL, Troy.—Drs. Alson J. Hull, Guy B. Van Alstine and Schuyler M. Martin.
- ELLIS HOSPITAL, Schenectady.—Drs. William H. Ladue, John S. Parker and Ernest C. Schultz.
- PHYSICIANS' HOSPITAL, Schenectady.—Dr. Charles W. Woodall.
- FAXTON HOSPITAL, Utica.—Dr. Elmer R. Gladstone.
- ST. ELIZABETH'S HOSPITAL, Utica.—Dr. Frank J. Williams.
- SARATOGA HOSPITAL.—Dr. William A. Ackroyd.
- ST. LUKE'S HOSPITAL, Newburgh.—Dr. John W. Mambert.
- LAKE VIEW SANATORIUM, Troy.—Dr. Jacob Schneider.
- MONHANSIC STATE HOSPITAL, Yorktown.—Dr. William J. Jones.
- ST. JOSEPH'S HOSPITAL, Far Rockaway.—Drs. Raymond Hensel and William C. Rausch, Jr.
- ST. LAWRENCE STATE HOSPITAL, Ogdensburg.—Dr. Hugh S. Gregory.
- EASTERN DISTRICT HOSPITAL, Brooklyn.—Dr. Arthur S. Katzenbogen.
- GLOVERSVILLE HOSPITAL.—Dr. Woodard Shaw.
- HOLY FAMILY HOSPITAL, Brooklyn.—Dr. Gaetano G. Nicosia.
- ST. FRANCIS HOSPITAL, Hartford, Conn.—Dr. John L. Byrnes.
- FLOATING HOSPITAL, Boston, Mass.—Dr. Harry S. Howard.

MEDICAL STUDENT EXAMINATIONS

PUBLIC HEALTH LAW, CH. 45 OF THE CONSOLIDATED LAWS.

To provide for the preliminary education of medical students:

The degree of bachelor or doctor of medicine shall not be conferred in this state before the candidate has filed with the institution conferring it the certificate of the regents that before beginning the first annual medical course counted toward the degree unless matriculated conditionally as hereinafter specified, he had either graduated from a registered college or satisfactorily completed a full course in a registered academy or high school; or had a preliminary education considered and accepted by the regents as fully equivalent; or held a regents' medical student certificate; or passed regents' examinations securing 60 academic counts, as provided in the rules of the regents, or their full equivalent, before beginning the first annual medical course counted toward the degree, unless admitted conditionally as hereinafter specified. A medical school may matriculate conditionally a student deficient in not more than one year's academic work or 15 counts of the preliminary education requirement provided the name and deficiency of each student so matriculated be filed at the regents' office within three months after matriculation, and that the deficiency be made up before the student begins the second annual medical course counted toward the degree; provided, however, that on and after the taking effect of this act (Jan. 1, 1913) medical schools shall not matriculate conditionally students who are deficient in any part of the preliminary educational requirements.

Regents Revised Rules

In determining a candidate's qualifications for matriculation in a medical school or for admission to the medical licensing examinations, the Regents will accept as equivalent to the required academic education any one of the following, providing that in each case the course completed included one year of each of the following: biology, chemistry and physics:

1. Evidence upon forms furnished by the Department, of the successful completion of four years' work in an approved secondary school, or
2. Evidence of the successful completion of one full year's work in an approved college or university, or
3. Evidence of the successful completion of work in another state or in a foreign country equivalent to the completion of a four-year course in an approved New York State secondary school.

All applicants for qualifying certificates upon equivalents from foreign countries other than those in which English is the language of the people, all or any part of which equivalent certificates are earned or

issued in said foreign countries, shall pass the Regents examination in second year English.

A candidate that is unable to offer a certificate from a registered institution of having done the required academic work on presenting to the Regents satisfactory evidence of the fact that, and the time when, such work was done, may after demonstrating sufficient educational proficiency by passing Regents examinations, have a Regents certificate showing that the required preliminary academic education was acquired at the time established by the said evidence.

The medical student certificate issued upon examination, must be earned as follows:

English, three years, 10 counts; elementary algebra, 5 counts; plane geometry, 5 counts; physics, chemistry and biology, 15 counts; any second year foreign language, 10 counts; American history with civics, 5 counts; electives, 10 counts.

The electives shall be, English fourth year, 3 counts; Latin second year, or Greek second year, or French second year, or German second year, or Spanish second year, or Italian second year, or Hebrew second year, 10 counts; advanced algebra, 5 counts; advanced arithmetic, 2 counts; physical geography, 5 counts; ancient history, 5 counts; history of Great Britain and Ireland, 5 counts; modern history I, 3 counts; modern history II, 3 counts; economics, 2 counts; elementary bookkeeping and business practice, 3 counts; advanced bookkeeping and office practice, 5 counts; shorthand I, 5 counts; shorthand II, 5 counts; elementary representation, 2 counts; advanced design, 2 counts; advanced representation, 2 counts. Partial equivalent qualifying certificates must be based on the same group requirements.

This new rule applies to students in the school who seek to earn qualifying certificates upon examination as well as to those who take the special examinations given by the Department at Albany, Buffalo, New York and Syracuse.

Hereafter only candidates for qualifying certificates, who are not enrolled in a school giving Regents examinations, will be admitted to the special examinations at Albany, Buffalo, New York and Syracuse, and all such candidates must secure admission cards from Albany 10 days in advance of the examination.

When all requirements are fulfilled, the Regents grant on receipt of 25 cents a medical student certificate, which shows the subjects and their values.

On receiving this certificate, the candidate must send it to the secretary or recording officer of the university or college at which he intends to study medicine.

Address all communications relating to these examinations to Harlan H. Horner, Chief Examinations Division, New York State Education Department, Albany N. Y., and not to this college.

Dates of Regents examinations for the academic year 1913-1914: 1913, September 15-17; 1914, January 19-23; June 15-19; September 14-16.

NOTE—September examinations will be held in Albany for medical students, and also in New York, Syracuse and Buffalo. Other examinations will be held at different points throughout the State. Particulars concerning these examinations may be obtained by addressing Harlan H. Horner, Chief, Examinations Division, New York State Education Department, Albany, N. Y.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN NEW YORK STATE

All requirements for admission should be completed at least one week before examinations.—They are as follows:

1. Evidence that applicant is more than 21 years of age (Form 1).
2. Certificate of moral character from not less than two physicians in good standing (Form 1).
3. Evidence that applicant has the general education required, preliminary to receiving the degree of bachelor or doctor of medicine in this state. (Medical student certificate. See handbook No. 3, Examinations).
4. Evidence that applicant has studied medicine not less than four school years, including four satisfactory courses of at least seven months each, in four different calendar years in a medical school registered as maintaining at the time, a standard satisfactory to the Regents. New York medical schools and New York medical students shall not be discriminated against by the registration of any medical school out of the state, whose minimum graduation standard is less than that fixed by statute for New York medical schools.

First exemption: "The regents may in their discretion accept as the equivalent for any part of the third and fourth requirement, evidence of five or more years reputable practice of medicine, provided that such substitution be specified in the license."

a For matriculates prior to January 1, 1897, in lieu of all the preliminary requirement and one year of the professional requirement.

b For matriculates between January 1, 1897, and January 1, 1911, in lieu of one year of the preliminary requirement and one year of the professional requirement.

c For matriculates after January 1, 1911, no acceptance of reputable practice for any part of either the third or fourth requirement.

5. Evidence that applicant "has received the degree of bachelor or doctor of medicine from some registered medical school, or a diploma or license conferring full right to practice medicine in some foreign country." (Form 2.)

6. The candidate must pass examinations in (1) anatomy, (2) physiology, (3) chemistry, (4) hygiene and sanitation, (5) surgery, (6) obstetrics and gynecology, (7) pathology and bacteriology, and (8) diagnosis. The questions shall be the same for all candidates.

Second exemption: "Applicants examined and licensed by other state examining boards registered by the regents as maintaining standards not lower than those provided by this article, and applicants who matriculated in a New York state medical school before June 5, 1890, and who received the degree M. D. from a registered medical school before August 1, 1895, may without further examination, on payment of \$25 to the regents and on submitting such evidence as they may require, receive from them an indorsement of their licenses or diplomas, conferring all rights and privileges of a regents' license issued after examination." Indorsements of Michigan, Ohio, Delaware, Indiana, Utah, New Jersey and Wisconsin licenses are now possible.

7. A fee of \$25 payable in advance.

An applicant 19 years of age certified as having studied medicine not less than two years including two satisfactory courses of at least seven months each, in two different calendar years in a medical school registered as maintaining at the time a satisfactory standard, may be admitted conditionally to the examination in (1) anatomy, (2) physiology, (3) chemistry.

Medical Examinations

Examinations for license to practice medicine in this state will be held as follows:

DATES		PLACES
1913	1914	New York
Sept. 23-26	Jan. 27-30	Albany
	May 19-22	Syracuse
	June 23-26	Buffalo
	Sept. 22-25	Each candidate is notified as to exact place

Daily Program

	Morning 9:15	Afternoon 1:15
<i>Tuesday</i>	Anatomy.....	Physiology
<i>Wednesday</i> ...	Chemistry.....	Hygiene and sanitation
<i>Thursday</i>	Surgery.....	Obstetrics and gynecology
<i>Friday</i>	Pathology and bacteriology.....	Diagnosis

Address all communications relating to State licenses and examinations to Examinations Division, New York State Education Department, Albany, N. Y., and not to this college.

STUDENTS' CLUB, BRANCH OF ALBANY Y. M. C. A.

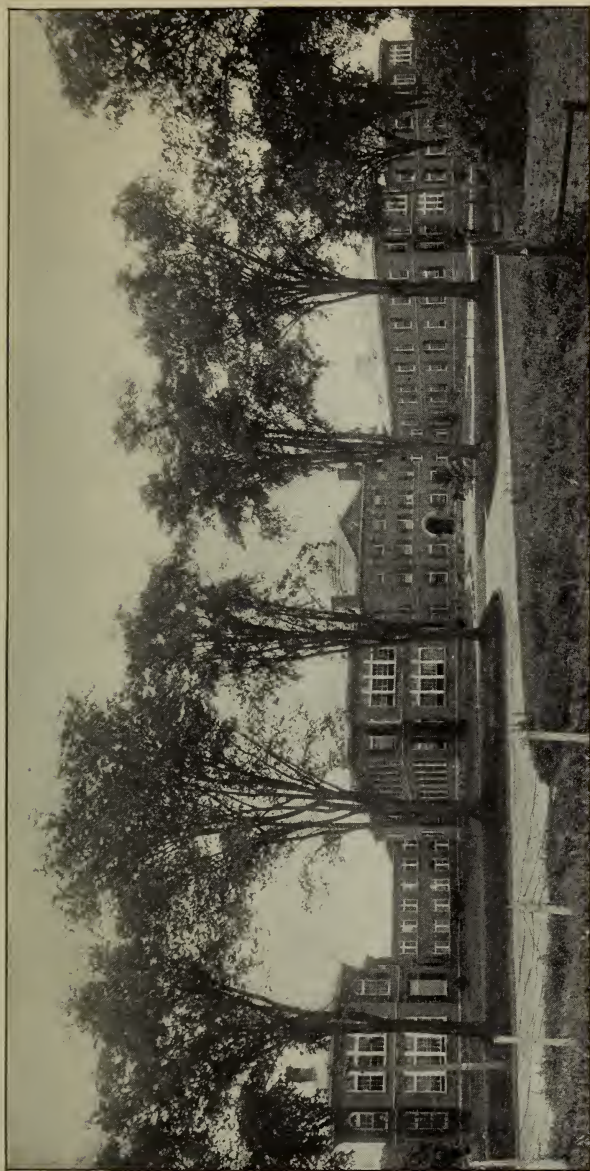
Organized in 1906. The club house, where will be found the best of reading, a piano, pool table and comfortable sitting room, is located at 47 Eagle Street, nearly opposite the Medical College. Board and room may be had here for an amount per week proportionate with actual cost of same.

Student committees will promote socials and popular lectures.

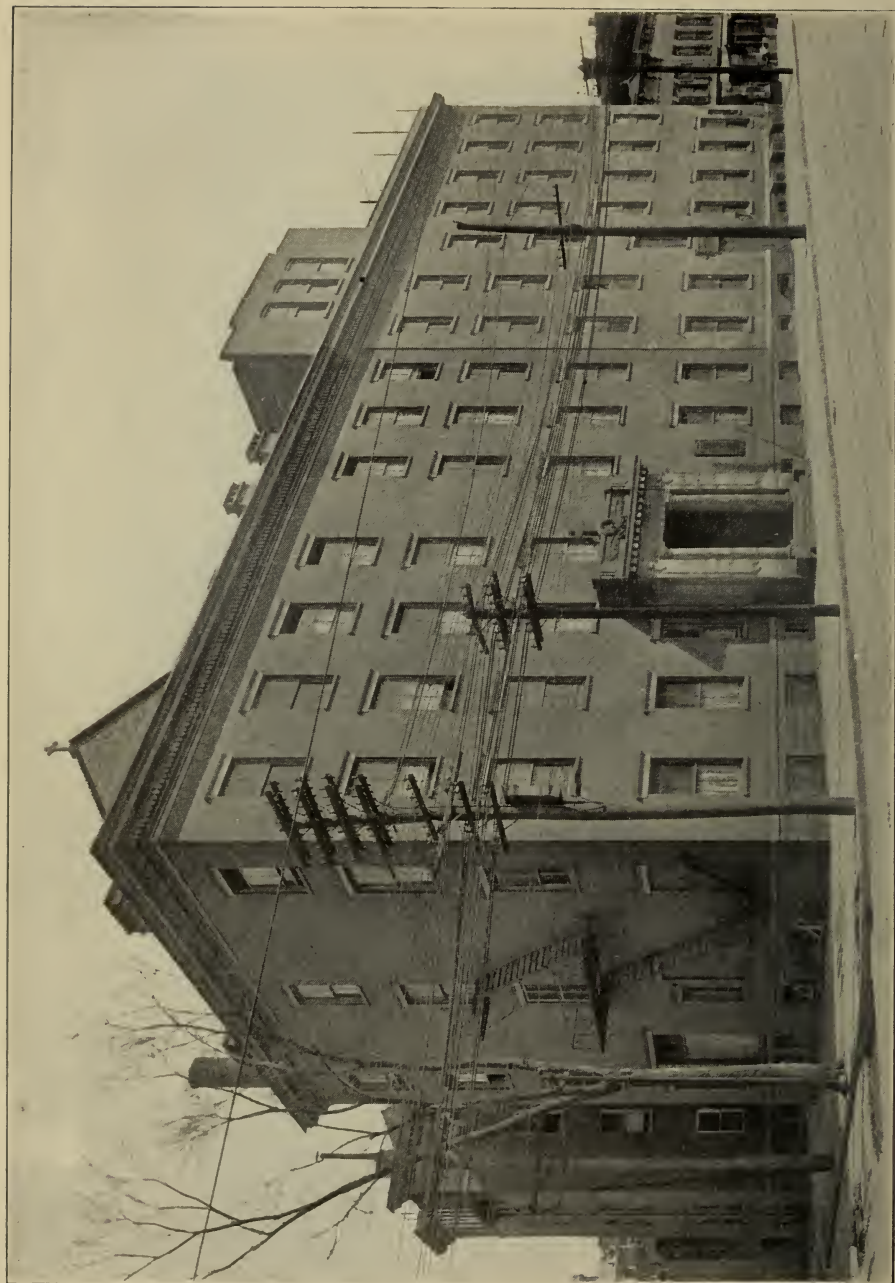
Students coming to Albany for their first year's work will be met at the respective colleges by club members who will gladly give any information, and assist all such men to find good rooming and boarding houses.

THE 1914 SKULL

The Senior Class announces that on or about March 1, 1914, the fifth volume of THE SKULL will be issued. The book will contain literary material relating to the faculty, classes, fraternities, clubs and an editorial department devoted to the interest of class and college. THE SKULL board requests the co-operation of the students, faculty and alumni in making the book one representative of the college and its activities. Communications should be addressed to Harry S. Reynolds, Editor-in-Chief, or Daniel F. Carmody, Business Manager.



THE ALBANY HOSPITAL
Incorporated 1840



ST. PETER'S HOSPITAL

ALBANY LAW SCHOOL

DEPARTMENT OF LAW—UNION UNIVERSITY
ESTABLISHED 1851.

The law school occupies a building wholly devoted to its use. It is situated upon one of the finest avenues in the city in close proximity to the Capitol, State Law Library, Law courts, etc.

With the term ending June 5, 1913, the school completed its sixty-second year. Since its establishment upwards of six thousand students have attended its lectures and among its graduates are numbered many of the most successful and honorable members of the bench and bar, and of the executive departments of the country.

It has been and is the aim of the school to combine, as thoroughly as possible, the theoretical and practical in its scheme of instruction.

The local advantages of the city of Albany as the seat of a school of instruction in the law are unsurpassed.

The course leading to the degree of LL.B. is three years.

Students who have spent one or two years in an office may enter the second year class upon passing a satisfactory examination, and may graduate at the end of the course but without a degree.

The next course begins September 23, 1913.

For catalogues or further information, address

JOHN C. WATSON, *Registrar,*
Albany Law School,
Albany, N. Y.

DUDLEY OBSERVATORY, ALBANY

The Dudley Observatory was founded in 1852. In 1874 it became, by act of the legislature, a department of Union University. It is located on Lake Avenue, southwest of Washington Park. Visitors are admitted only on Tuesday evenings, from 8 o'clock to 10, and on passes obtained from the members of the board of trustees.

Instruction is given to special students.

For further information, address

PROFESSOR BENJAMIN BOSS,
Director of the Dudley Observatory,
Albany, N. Y.

ALBANY MEDICAL ANNALS

The ALBANY MEDICAL ANNALS was established in 1880 for the purpose of recording the transactions of the Medical Society of the County of Albany, and items of medical interest to the medical profession generally. In 1891 the ANNALS became the Journal of the Alumni Association of the Albany Medical College, and has extended its field to cover all branches of medicine and surgery, under the direction of editors for each department. The yearly volume now consists of approximately nine hundred text pages.

The ANNALS is published on the first of every month. The subscription price is two dollars a year in advance.

Original articles, items of medical importance and correspondence upon topics of current interest are solicited.

Communications and subscriptions should be addressed

ALBANY MEDICAL ANNALS,
170 Washington Avenue, Albany, N. Y.

ALBANY HOSPITAL TRAINING SCHOOL FOR NURSES

The training school for nurses was organized in December, 1896, and incorporated in April, 1897. Its objects are the improvement of the nursing service in the Albany Hospital and the education of nurses. A three year course of instruction has been adopted, including lectures by the members of the medical and surgical staffs of the hospital and other physicians, recitations to the Principal of the school and the Instructor of Nurses, and practical ward instruction in the care of the sick and injured under the direction of graduate nurses.

Pupils are received as probationers, and after acceptance by the Principal of the school, enter upon the regular course of study.

No fees are charged for instruction, the services rendered in the wards of the hospitals being accepted as an equivalent. After the first three months an allowance of seven dollars a month for necessary expenses, clothing, books, etc., is granted the pupils of the school.

No applicants are considered who do not express their willingness and intention to remain throughout the full course of three years. For information address,

PRINCIPAL OF THE SCHOOL FOR NURSES,
Albany Hospital, Albany, N.Y.

UNION COLLEGE

The college offers undergraduate courses leading to the degrees of A. B., Ph. B., B. S., and B. E., as follows:

1. *Courses leading to the degree of A. B.*

CLASSICAL COURSE A.—Greek is required for admission to this course. Latin and Greek are required for two years, and are elective for the remainder of the course.

CLASSICAL COURSE B.—This course may be pursued by candidates who satisfy the requirements for admission to the Ph. B. course. Greek is studied six hours weekly during the junior and senior years.

2. *Course leading to the degree of Ph. B.*

This course offers Latin without Greek.

3. *Course leading to the degree of B. S.*

This course is based upon the study of mathematics and sciences, with extended work in English and other modern languages.

4. *Courses leading to the degree of B. E.*

GENERAL ENGINEERING COURSE.—This course offers the foundation of a broad engineering education, comprising mathematics, the sciences, the fundamental principles of the special branches of the profession, some training in history and economics, a knowledge of both French and German, and a course in English.

SANITARY ENGINEERING COURSE.—This differs from course 4 in substituting special work in sanitary engineering for some of the general engineering studies.

ELECTRICAL ENGINEERING COURSE.—This course is intended to give a broad and thorough engineering education, with the specific instruction requisite for electrical engineering.

5. *Courses leading to graduate degrees.*

COURSE LEADING TO DEGREE OF M. C. E.—This course of one year's graduate study consists of lectures, laboratory practice and research work.

COURSE LEADING TO DEGREE OF M. E. E.—This course of one year's graduate study consists of lectures, laboratory practice and research work.

COURSE LEADING TO DEGREE OF PH. D.—This course of two years' graduate study requires for admission the degree of M. E. E. or an equivalent.

Students in full standing at the end of Junior year who have the profession of medicine in view are permitted to take the first year studies of the Albany Medical College as a substitute for the studies of the senior year in Union College. This enables medical students to lessen the time of their academic and professional studies by one year.

Schenectady offers peculiar advantages to the student of engineering, and special facilities for the study of electrical engineering are afforded by the co-operation of the General Electric Company.

The fee for tuition is, in the academic courses, \$90 a year, and in the engineering courses \$150 a year; room rent in the college dormitories is \$60 to \$75 a year additional. Board can be had for from \$4 to \$5 a week. Some scholarships are granted under conditions stated in the college catalogue.

Commencement occurs always on the second Wednesday of June. The fall term of 1913 begins September 15. Entrance examinations are held on the Thursday and Friday immediately following Commencement, and on the Monday, Tuesday and Wednesday of the first week of the fall term.

For catalogue, address

SECRETARY OF THE FACULTY, UNION COLLEGE,
Schenectady, N. Y.

ALBANY COLLEGE OF PHARMACY

Department of Pharmacy, Union University

SESSION OF 1913-1914

This department was created by act of the Board of Governors of Union University, June 21, 1881, and incorporated August 27, 1881. The thirty-third session will open on Monday, October 6, 1913, and close April 28, 1914. The college is centrally located at 43-45 Eagle street.

FACULTY

CHARLES ALEXANDER RICHMOND, D. D., LL. D.,
Chancellor of the University

WILLIS GAYLORD TUCKER, M. D., PH. D., DEAN
Professor of Chemistry and Toxicology

ALFRED BIRCH HUESTED, M. D., PH. G.
Professor of Materia Medica, Botany and Physiology

GUSTAVUS MICHAELIS, PH. G.
Emeritus Professor of Pharmacy

GARRET VANDER VEER DILLENBACK, PH. G.
Associate Professor of Pharmacy

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Adjunct Professor of Chemistry

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Director of Microscopical Laboratory

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WARREN LANSING BRADT, PH. G.
Lecturer on Pharmaceutical Jurisprudence

WILLIAM WALKER GIBSON, PH. B., PH. G.
Instructor in Commercial Pharmacy

HARRY WHEELER BAKER, PH. G.
Instructor in Pharmacy and Chemistry

RICHARD BERCHMANS GRAY, M. D.
Assistant in Microscopical Laboratory.

MANSER TEMPLETON STONE, PH. G.
Instructor in Pharmacy and Mathematics

LEROY GEORGE MATTHEWS, PH. G.
Instructor in Physics

Two year graded course. Instruction by lecture, recitation and practical laboratory work. Curriculum includes theoretical and applied Chemistry and Toxicology, Pharmacy, Materia Medica, Botany, Microscopy, Pharmacognosy, Mathematics, Physics, Physiology, Latin, Commercial Pharmacy and Pharmaceutical Jurisprudence.

FEES:

The fees are \$90 per year, with no incidentals, excepting a damage deposit of \$5.

For catalogues or further information, address

ALFRED B. HUESTED, M. D., PH. G., *Secretary.*
43 Eagle Street, Albany, N. Y.

ASSOCIATION OF THE ALUMNI OF THE ALBANY MEDICAL COLLEGE

INCORPORATED FEBRUARY 6, 1874.

This association was organized January 20, 1874. The membership consists of the officers and graduates of the college. Total number of graduates, 2865. Names and addresses upon the roll, 1561. The object of the association is to promote the interests of the college in the work of medical education, and to cultivate social intercourse among the alumni. The annual meeting is held upon commencement day. The officers of the association, excepting the members of the executive committee who serve for three years, are elected annually.

OFFICERS FOR 1913-1914

President—DR. GEORGE H. JANES ('93), Westfield, Mass.

Vice-Presidents—DR. GEORGE WALRATH ('05), Mariner's Harbor, N. Y.
DR. THURMAN A. HULL ('05), Troy, N. Y.
DR. ISRAEL M. SLINGERLAND ('83), Fayetteville, N. Y.
DR. JOHN I. COTTER ('04), Campbell Hall, N. Y.
DR. SYLVESTER C. CLEMENS ('03), Gloversville, N. Y.

Recording Secretary—DR. J. MONTGOMERY MOSHER ('89) Albany, N. Y.

Corresponding Secretary—DR. JAMES N. VANDER VEER ('03), Albany, N. Y.

Treasurer—DR. ROBERT BABCOCK ('84), Albany, N. Y.

Historian—DR. ARTHUR J. BEDELL ('01), Albany, N. Y.

Executive Committee—

DR. ERASTUS CORNING ('07), Albany, N. Y.
DR. WILLIAM P. MASON ('81), Troy, N. Y.
DR. HARMON A. STALEY, ('91), Schenectady, N. Y.
DR. DANIEL C. CASE ('70), Slingerlands, N. Y.
DR. JOHN ARCHIBOLD ('88), Cohoes, N. Y.
DR. WILLIAM G. LEWIS ('92), Albany, N. Y.
DR. BRANSEN K. DE VOE ('04), Albany, N. Y.
DR. MALCOLM DOUGLAS ('04), Albany, N. Y.
DR. J. LEWIS BENDELL ('07), Albany, N. Y.
DR. WILLIAM J. NELLIS ('79), Albany, N. Y.
DR. JOSEPH A. COX ('01), Albany, N. Y.
DR. OTIS Z. BOUTON ('98), Fultonville, N. Y.

together with the president, recording and corresponding secretaries, treasurer, historian and registrar of the college, *ex officio*.

The next annual meeting will be held in the college building on Tuesday, May 26, 1914. So far as their addresses can be ascertained all graduates of the college are notified of the annual meetings through the mail. Those who do not receive such notice regularly are requested to furnish the recording secretary with their addresses and to keep him informed of any change in their place of residence. The yearly dues are fixed at one dollar. This may be sent to Dr. Robert Babcock, Treasurer, 102 Lancaster street, Albany, N. Y.

GEORGE H. JANES, M.D., *President*.

J. MONTGOMERY MOSHER, M. D., *Recording Secretary*,
170 Washington Avenue, Albany, N. Y.

ALBANY MEDICAL COLLEGE ALUMNI ASSOCIATION
OF THE CITY OF NEW YORK

Organized 1895.

OFFICERS FOR 1913

- President*—DR. FREDERIC W. LOUGHRAN ('90), New York City.
Vice-President—DR. CHARLES GARTNER ('95), Brooklyn, N. Y.
Secretary—DR. FLAVIUS PACKER ('93), New York City.
Treasurer—DR. FREDERICK W. CORDES ('95), Brooklyn, N. Y.
Governors—DR. ARTHUR J. CAPRON ('94), New York City.
DR. ROBERT E. KINLOCH ('99), Brooklyn, N. Y.
DR. PETER H. KEELER ('97), Brooklyn, N. Y.
-

ALBANY MEDICAL COLLEGE ALUMNI ASSOCIATION
OF NEW ENGLAND

Organized 1899

OFFICERS FOR 1913

- President*—DR. AARON L. NEWTON ('98), Northfield, Mass.
Vice-President—DR. GEORGE H. JANES ('93), Westfield, Mass.
Secretary—DR. EDGAR C. COLLINS ('80), Springfield, Mass.
Treasurer—DR. HARVEY W. VAN ALLEN ('91) Springfield, Mass.
Governors—DR. ELMORE S. ALBEE ('70), Bellows Falls, Vt.
DR. HARVEY W. VAN ALLEN ('91), Springfield, Mass.
DR. FRANK L. SMITH ('83), Bridgeport, Conn.
DR. CREIGHTON W. SKELTON ('98), Providence, R. I.
DR. FREDERICK T. CLARK ('96), Westfield, Mass.
DR. THOMAS D. CROTHERS ('65), Hartford, Conn.
-

ALBANY MEDICAL COLLEGE ALUMNI ASSOCIATION
OF CENTRAL NEW YORK

Organized 1901

OFFICERS FOR 1913

- President*—DR. IRVING S. EDSALL ('85) Middleville, N. Y.
Secretary—DR. FREDERICK H. BREWER ('78), Utica, N. Y.
Treasurer—DR. W. CLINTON KELLOGG ('84), Syracuse, N. Y.

HOSPITALS

The following hospitals, by regulation of their governing boards, are made available for clinical purposes to the students.

Albany Hospital

New Scotland Avenue

MEDICAL AND SURGICAL STAFF

Consulting Obstetrician

JAMES P. BOYD, M. D.

Consulting Surgeon in Ophthalmology and Otolaryngology

CYRUS S. MERRILL, M. D.

Attending Physicians

SAMUEL B. WARD, M. D.

HENRY HUN, M. D.

JOSEPH D. CRAIG, M. D.

HOWARD VAN RENSSSELAER, M. D.

ERASTUS CORNING, M. D., Tuberculosis Dep't.

Consulting Physician, Throat and Nose

JOHN M. BIGELOW, M. D.

Surgeon-in-Chief

ALBERT VANDER VEER, M. D.

Attending Surgeons

SAMUEL R. MORROW, M. D.

EDGAR A. VANDER VEER, M. D.

ARTHUR W. ELTING, M. D.

Assistant Attending Surgeons

ALVAH H. TRAVER, M. D.

GEORGE G. LEMPE, M. D.

J. LEWIS DONHAUSER, M. D.

Obstetric Surgeons

G. EMORY LOCHNER, M. D.

H. JUDSON LIPES, M. D.

PAUL T. HARPER, M. D.

Pathologist

HARRY S. BERNSTEIN, M. D.

Chief of Medical Clinic

JAMES F. ROONEY, M. D.

Chief of Surgical Clinic

JAMES N. VANDER VEER, M. D.

Dentist

LEROY S. BLATNER, D. D. S.

Pathological House Officer

ARTHUR H. STEIN, M. D.

Resident Physicians and Surgeons

JOHN L. EDWARDS, M. D.

WESLEY M. ADAMS, M. D.

ELMER H. ORMSBY, M. D.

JACOB DROOZ, M. D.

RUFUS B. CRAIN, M. D.

WALTER R. L. COAKLEY, M. D.

JOHN R. WESTABY, M. D.

Superintendent

HAROLD C. GOODWIN, M. D.

Superintendent of Training School

MISS SUSAN C. HEARLE

Pharmacist

CHARLES SCHAEFFER, PH. G.

Dispensary Physicians

WILLIAM G. LEWIS, M. D.

J. MONTGOMERY MOSHER, M. D.

MARTIN MACHARG, M. D.

WILLIAM H. GEORGE, M. D.

HENRY L. K. SHAW, M. D.

ARTHUR J. BEDELL, M. D.

CLINTON B. HAWN, M. D.

HERMAN BENDELL, M. D.

JOSEPH L. BENDELL, M. D.

JOSEPH A. LANAHAN, M. D.

TIFFANY LAWYER, M. D.

BRANSEN K. DE VOE, M. D.

WILLIAM G. KEENS, M. D.

HARRY H. DRAKE, M. D.

St. Peter's Hospital

Corner Broadway and North Ferry Street

MEDICAL AND SURGICAL STAFF

Consulting Physicians

O. D. BALL, M. D.

T. KIRKLAND PERRY, M. D.

Attending Surgeon

ARTHUR W. ELTING, M. D.

Assistant Surgeons

JOSEPH A. COX, M. D.

E. GERALD GRIFFIN, M. D.

Ophthalmic and Aural Surgeons

GEORGE S. MUNSON, M. D.

LEO F. ADT, M. D.

Obstetric Surgeons

JOHN F. REILLY, M. D.

WILLIAM J. WANSBORO, M. D.

Attending Physicians

HENRY HUN, M. D.

HOWARD VAN RENSSELAER, M. D.

ANDREW MACFARLANE, M. D.

TERENCE L. CARROLL, M. D.

Nose and Throat

CLEMENT F. THEISEN, M. D.

Genito-Urinary and Skin Diseases

JAMES W. WILTSE, M. D.

Physiologic Therapeutics

WILLIAM H. HAPPEL, M. D.

Assistant Pathologist

CLINTON B. HAWN, M. D.

DISPENSARY STAFF

Surgeons

JOSEPH A. COX, M. D.

E. GERALD GRIFFIN, M. D.

Diseases of Children

HENRY L. K. SHAW, M. D.

Gynecologist

JOSEPH A. COX, M. D.

Assistant Attending Physicians

JOSEPH P. O'BRIEN, M. D.

CLINTON B. HAWN, M. D.

NELSON K. FROMM, M. D.

Diseases Eye and Ear

MILES A. MCGRANE, M. D.

Neurology

LA SALLE ARCHAMBAULT, M. D.

Skiagrapher

WILLIAM H. HAPPEL, M. D.

Resident Physicians and Surgeons

GEORGE V. GENZMER, M. D.

BURKE DIEFFENDORF, M. D.

M. BRYAN BEECROFT, M. D.

CONRAD A. RISSBERGER, M. D.

Child's Hospital

Corner Elk and North Hawk Streets

Attending Physicians

HENRY HUN, M. D.

(Neurologist)

HOWARD VAN RENSSELAER, M. D.

CHARLES K. WINNE, M. D.

ANDREW MACFARLANE, M. D.

(St. John's House)

HENRY L. K. SHAW, M. D.

(St. Margaret's House)

Attending Surgeons

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ALVAH H. TRAVER, M. D.

CHARLES E. DAVIS, M. D.

ARTHUR W. ELTING, M. D.

Ophthalmic and Aural Surgeons

CYRUS S. MERRILL, M. D.

Laryngologist and Rhinologist

CLEMENT F. THEISEN, M. D.

Dermatologist

FREDERIC C. CURTIS, M. D.

CHARLES H. MOORE, M. D.

Pathologist

Dental Surgeon

DR. FR. G. MICHEL

Albany City Free Dispensary Association

South End Dispensary

Corner Trinity Place and Ash Grove Place

MEDICAL AND SURGICAL STAFF

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ALBERT VANDER VEER, M. D.

CHARLES E. DAVIS, M. D.

WILLIAM H. GEORGE, M. D.

Consulting Specialist on Dermatology

FREDERIC COLTON CURTIS, M. D.

Attending Surgeons

GEORGE E. BEILBY, M. D.

JAMES N. VANDER VEER, M. D., Pres.

JOHN H. GUTMANN, M. D.

EDWIN L. DRAPER, M. D.

Assistant Attending Surgeons

PHILIP C. HACKER, M. D.

J. LEWI BENDELL, M. D.

H. BURDETTE RIGGS, M. D.

WALTER S. LILIENTHAL, M. D.

Eye and Ear

LEO F. ADT, M. D.

ARTHUR J. BEDELL, M. D., Sec.

Assistant Eye and Ear

MILES A. McGRANE, M. D.

Throat and Nose

ARTHUR G. ROOT, M. D.

LOUIS LE BRUN, M. D.

Nervous Diseases

J. MONTGOMERY MOSHER, M. D.

LA SALLE ARCHAMBAULT, M. D.

Tuberculosis

CLINTON B. HAWN, M. D.

Assistants

CHARLES K. WINNE, JR., M. D.

NELSON K. FROMM, M. D.

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TIFFANY LAWYER, M. D.

RICHARD A. LAWRENCE, M. D.

Consulting Physicians

SAMUEL BALDWIN WARD, M. D.

LEO H. NEUMAN, M. D.

Consulting Specialist Diseases of Children

WILLIAM H. HAPPEL, M. D.

Attending Physicians

JAMES F. ROONEY, M. D.

CHARLES K. WINNE, JR., M. D.

DANIEL V. O'LEARY, JR., M. D.

FREDERIC C. CONWAY, M. D.

Assistant Attending Physician

RICHARD A. LAWRENCE, M. D.

Genito-Urinary and Skin Diseases

ARTHUR SAUTTER, M. D.

JOSEPH A. LANAHAN, M. D.

Assistant

GEORGE W. PAPPEN, JR., M. D.

Diseases of Children

HENRY L. K. SHAW, M. D.

AGNES E. PAGE, M. D.

HARRY RULISON, M. D.

Assistants

RICHARD A. LAWRENCE, M. D.

WALTER S. LILIENTHAL, M. D.

Diseases of Stomach and Intestines

LEO H. NEUMAN, M. D.

T. FREDERICK DOESCHER, M. D.

Assistant

JEROME MEYERS, M. D.

Gynecology

JOHN A. SAMPSON, M. D.

Assistant

TIFFANY LAWYER, M. D.

Dental Surgeon

LE ROY S. BLATNER, D. D. S.

Assistant Dental Surgeon

JAMES W. CANADAY, JR., D. D. S.

Albany's Hospital for Incurables

South Pearl Street

Physicians in Charge

HENRY HUN, M. D.

WILLIAM H. HAPPEL, M. D.

HOWARD VAN RENSSELAER, M. D.

ANDREW MACFARLANE, M. D.

RICHARD A. LAWRENCE, M. D.

Consulting Surgeon

SAMUEL R. MORROW, M. D.

Surgeon

GEORGE E. BEILBY, M. D.

County Hospital

Physician and Surgeon

FREDERIC C. CONWAY, M. D.

Resident Physician

CHARLES A. PERRY

C
Un32w2m
1913/14

610.71

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ALBANY MEDICAL COLLEGE

Register of Students
1913-1914



ANNOUNCEMENT FOR SESSION

1914-1915

MEDICAL DEPARTMENT OF UNION UNIVERSITY

CATALOGUE

OF THE

ALBANY MEDICAL COLLEGE

83d SESSION, 1913-1914

AND

ANNOUNCEMENT FOR SESSION 1914-1915

ALBANY N Y

PRESS OF FRANK H EVORY & CO

1914
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J. TOWNSEND LANSING,	ROBERT C. PRUYN,
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MAYOR OF ALBANY, }
RECORDER OF ALBANY, } *Ex-officio.*

CATALOGUES are sent with care, and graduates of the college changing their post-office address, or not receiving them, will please notify

JOSEPH D. CRAIG, M. D., *Registrar*,
ALBANY MEDICAL COLLEGE,
Albany, N. Y.

FACULTY

CHARLES ALEXANDER RICHMOND, D.D., LL.D., *Chancellor of the University.*

ALBERT VANDER VEER, M.D., PH.D., LL.D., *Emeritus Professor of Surgery.*

SAMUEL BALDWIN WARD, M.D., PH.D., *Emeritus Professor of Theory and Practice of Medicine.*

JAMES PETER BOYD, M.D., *Emeritus Professor of Obstetrics and Diseases of Children.*

CYRUS STRONG MERRILL, M.D., *Emeritus Professor of Ophthalmology and Otology.*

WILLIS GAYLORD TUCKER, M.D., PH.D., DEAN, *Professor of Chemistry and Toxicology.*

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SAMUEL ROSEBURGH MORROW, M.D., *Professor of Practice of Surgery and of Orthopedic Surgery.*

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ANDREW MACFARLANE, M.D., *Professor of Clinical Medicine and of Medical Jurisprudence.*

ARTHUR GUERNSEY ROOT, M.D., *Professor of Diseases of the Throat and Nose.*

LEO HAENDEL NEUMAN, M.D., *Professor of Clinical Medicine.*

EDGAR ALBERT VANDER VEER, M.D., *Professor of Abdominal and Clinical Surgery.*

JOHN ALBERTSON SAMPSON, M.D., *Professor of Gynecology.*

LaSALLE ARCHAMBAULT, M.D., *Professor of Neurology.*

ELLIS KELLERT, M.D., *Professor of Bacteriology and Pathology.*

CLINICAL PROFESSORS

HERMAN BENDELL, M.D., *Otology*.
JESSE MONTGOMERY MOSHER, M.D., *Insanity, Neurology and Electro-Therapeutics*.
HARRY JUDSON LIPES, M.D., *Obstetrics*.
ARTHUR SAUTTER, M.D., *Dermatology and Venereal Diseases*.
GEORGE EMORY LOCHNER, M.D., *Obstetrics*.
CLEMENT FRANK THEISEN, M.D., *Diseases of Throat and Nose*.
HENRY LARNED KEITH SHAW, M.D., *Pediatrics*.
ARTHUR JOSEPH BEDELL, M.D., *Ophthalmology*.
JOHN BRUCE HARVIE, M.D., *Surgery*.
JOHN HENRY GUTMANN, M.D., *Surgery*.
ALVAH HARRY TRAVER, M.D., *Surgery*.
JAMES WESLEY WILTSE, M.D., *Dermatology and Genito-Urinary Diseases*.

ADJUNCT PROFESSOR

RALPH EMERSON MYERS, A.M., *Physiological Chemistry and Experimental Pharmacology*.

LECTURERS

WILLIAM OLIN STILLMAN, M.D., *History of Medicine*.
CHARLES HENRY MOORE, M.D., *Ophthalmology and Otology*.
JAMES FRANCIS ROONEY, M.D., *Hygiene and Instructor in Medicine*.
HOWARD EATON LOMAX, M.D., *Anatomy and Demonstrator of Anatomy*.
GEORGE GUSTAVE LEMPE, M.D., *Minor Surgery*.
WILLIAM ATWOOD LARKIN, Ph.G., *Organic Chemistry. Assistant Registrar*.
JAMES NEWELL VANDER VEER, M.D., *Genito-Urinary Surgery*.
CLINTON BENJAMIN HAWN, M.D., *Medicine*.
* CLINTON PRESTON McCORD, M.D., *School Hygiene*.
JOHN McWILLIAMS BERRY, M.D., *Radiography*.
JOSEPH ALOYSIUS LANAHAN, M.D., *Dermatology and Venereal Diseases*.
ERASTUS CORNING, M.D., *Medicine*.
JEROME MEYERS, M.D., *Medicine*.
THEOBALD FREDERICK DOESCHER, M.D., *Medicine and Gastro-Enteric Diseases*.
JOSEPH LEWI BENDELL, M.D., *Operative Surgery*.
CHARLES WILLIAM LOUIS HACKER, M.D., *Surgical Technic*.
ELMER HARRISON ORMSBY, M.D., *Anatomy*.
ARTHUR HENRY STEIN, M.D., *Histology and Embryology*.
WILLIAM DEWEY ALLEN, M.D., *Surgery*.

†SPECIAL LECTURERS

HERMANN M. BIGGS, M.D., LL.D., *State Commissioner of Health*.
LINSLEY R. WILLIAMS, M.D., *Deputy Commissioner of Health*.
AUGUSTUS B. WADSWORTH, M.D., *Director Division of Laboratories and Research, State Department of Health*.
CRESSY L. WILBUR, M.D., *Director Division of Vital Statistics, State Department of Health*.
C. E. A. WINSLOW, *Professor of Biology, College of the City of New York*.

* This course given by permission of the Board of Education of Albany.

† These special lecturers will provide a special course under the direction of the State Department of Health, see page 18.

INSTRUCTORS

EDGAR ROSCOE STILLMAN, M.D., *Physiology*.
CHARLES KNICKERBACKER WINNE, JR., M.D., *Medicine*.
GEORGE EVERETT BEILBY, M.D., *Surgical Pathology and Surgery*.
EUGENE EUNSON HINMAN, M.D., *Diseases of Throat and Nose*.
MALCOLM DOUGLAS, M.D., *Medicine and Therapeutics*.
LEROY SOLOMON BLATNER, D.D.S., *Oral Pathology*.
RICHARD ANDREW LAWRENCE, M.D., *Obstetrics and Pediatrics*.
NELSON KAUFMAN FROMM, M.D., *Medicine*.
TIFFANY LAWYER, M.D., *Gynecology*.
EDWIN LYON DRAPER, M.D., *Surgical Pathology and Surgery*.
WILLIAM GEORGE KEENS, M.D., *Diseases of Throat and Nose*.
JOSEPH AMBROSE COX, M.D., *Surgery*.
FREDERIC CHARLES CONWAY, M.D., *Medicine*.
JOHN FORREST SOUTHWELL, M.D., *Surgery*.
PAUL TOMPKINS HARPER, M.D., *Obstetrics*.
THOMAS WILLIAMS JENKINS, M.D., *Histology*.
CHARLES FREDERICK MYERS, M.D., *Histology and Embryology*.
LOUIS BURGH MOUNT, M.D., *Dermatology*.
WILLIAM DAVID ALDRICH, M.D., *Surgery and Genito-Urinary Surgery*.
ARTHUR EMERSON PITTS, M.D., *Surgery*.
LEMUEL WHITTINGTON GORHAM, M.D., *Medicine*.
MARCUS DENNIS CRONIN, M.D., *Surgery*.
ARTHUR BURTON VAN LOON, M.D., *Surgery*.
JOSEPH PATRICK O'BRIEN, M.D., *Medicine*.
MORRIS BRYAN BEECROFT, M.D., *Bacteriology and Pathology*.
GEORGE VICTOR GENZMER, M.D., *Bacteriology and Pathology*.
CLARENCE EDMOND MULLENS, M.D., *Materia Medica*.
WILLIAM CARL RAUSCH, JR., M.D., *Obstetrics*.

CLINICAL ASSISTANTS

WILLIAM GRANT LEWI, M.D.	DANIEL FRANCIS O'KEEFFE, M.D.
MARTIN MACHARG, M.D.	THOMAS MILTON HOLMES, M.D.
LOUIS LEBRUN, M.D.	JOHN LOUNSBERY EDWARDS, M.D.
GEORGE STEPHEN MUNSON, M.D.	WILLIAM PATRICK HOWARD, M.D.
MILES AMBROSE MCGRANE, M.D.	HARRY VINCENT JUDGE, M.D.
DANIEL VINCENT O'LEARY, JR., M.D.	FRED DEGRANDE WILSON, M.D.
AGNES ELIZABETH PAGE, M.D.	JAMES ISRAEL SCHOONMAKER, M.D.
GEORGE WASHINGTON PAPER, JR., M.D.	FRANK ARTHUR SEARLE, M.D.
PHILIP CONRAD HACKER, M.D.	WILBER SYLVESTER NEWELL, M.D.
WALTER SCOTT LILIENTHAL, M.D.	EDWARD JAMES CALLAHAN, M.D.
MICHAEL DANIEL STEVENSON, M.D.	DAVID WILTSIE BEARD, M.D.
LOUIS HERBERT GAUS, M.D.	HOWARD B. BARTHOLOMEW, M.D.
HARRY HOUGHTON DRAKE, M.D.	WILLARD ELMER WHEELOCK, M.D.
MORRIS BELLIN, M.D.	GEORGE JACOB CULVER, M.D.
EDWARD LOUIS ROBBINS, M.D.	

ANNOUNCEMENT

1914-1915*

UNION UNIVERSITY includes the ALBANY MEDICAL COLLEGE, Albany College of Pharmacy, Albany Law School and the Dudley Observatory, all at Albany, and Union College, and the School of Engineering at Schenectady. The ALBANY MEDICAL COLLEGE was organized in 1838 and incorporated in 1839, in which year its first class was graduated. It is the second oldest existing medical school in the State, and since its organization eighty-three courses of instruction have been given and 2,917 students have been graduated.

The course of instruction is graded and extends over four years. The curriculum embraces lectures by professors and lecturers; recitations conducted mainly by instructors, and practical demonstrations, clinical teaching and laboratory work, in which the professors in the different departments are assisted by clinical assistants and demonstrators.

The college building is well appointed in its lecture rooms, laboratories, dissecting rooms and museums. The laboratories in chemistry and physiological chemistry are fitted with every requisite for the use of the classes and the illustration of the lectures, while the BENDER HYGIENIC LABORATORY furnishes admirable facilities for instruction in histology, embryology, bacteriology, pathology, pharmacology and clinical microscopy.

The location of the college is such as to afford superior advantages to the student. The hospitals and dispensaries furnish an abundant supply of material for the illustration of clinical medicine and surgery, while the museums are especially rich in anatomical and pathological preparations.

The main museum of the college has recently been rearranged and newly catalogued, and the wet and dry specimens, models and other exhibits have been restored and replaced wherever necessary, and conveniently arranged for use in teaching.

*Announcements of this college are to be considered as applying to the current year only, since all regulations and requirements are subject to change at the close of any session.

The Albany Hospital and its Tuberculosis Department, St. Peter's Hospital, Child's Hospital, St. Margaret's House, Albany's Hospital for Incurables, County Hospital, South End Dispensary, Albany Orphan Asylum, and dispensaries connected with each, are, by the regulation of their governing boards, made available for clinical purposes to the students, and appointments to positions on the house staffs of the hospitals in Albany and neighboring places, are annually made and are competed for by the members of the graduating class.

CALENDAR 1914-15

1914

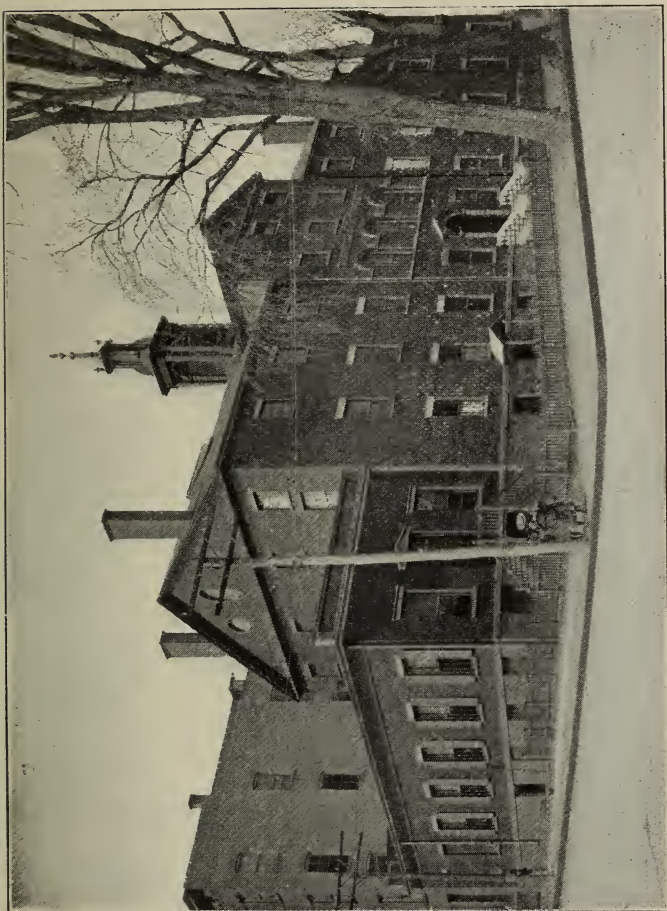
Regular winter session begins.....Tuesday, September 22
 Election vacation.....Monday and Tuesday, November 2 and 3
 Thanksgiving vacation begins.....Wednesday at 1 P. M., November 25
 Lectures resumed.....Monday morning, November 30
 Christmas vacation begins.....Wednesday morning, December 23

1915

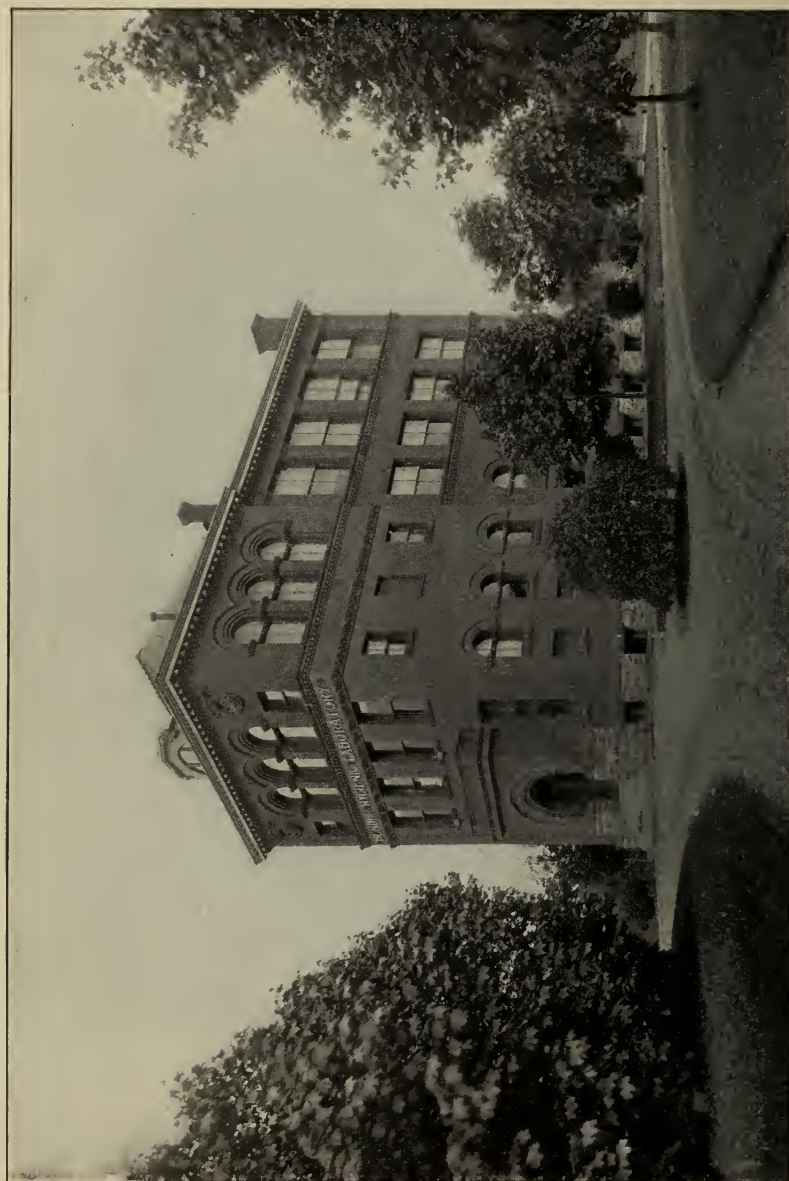
Lectures resumed.....Monday morning, January 4
 Lincoln's birthday, lectures suspended.....Friday, February 12
 Washington's birthday, lectures suspended.....Monday, February 22
 Commencement.....Tuesday, May 25

ENTRANCE REQUIREMENTS.—The New York State Medical Student Certificate is required for entrance. Those contemplating the study of medicine should apply to the Examinations Division, New York State Education Department, Albany, by letter or otherwise, if further information than that given on pages 32 and 33 is desired. One of the examinations will be held in Albany, September 14-16, 1914.

MID-WINTER WRITTEN EXAMINATIONS in all the departments are held in January. A printed schedule of these examinations is furnished the class.



ALBANY MEDICAL COLLEGE
Incorporated 1839



BENDER HYGIENIC LABORATORY

COURSE OF INSTRUCTION

The four years' graded course required of all candidates for the degree of doctor of medicine includes the following subjects, which will be taught as nearly as possible to conform to the following schedule:

First Year

1. **Anatomy**—four lectures; twelve hours dissection. 2. **Histology and Embryology**—two lectures; four and a half hours laboratory. 3. **Organic Chemistry and Toxicology**—six lectures. 4. **Physiology**—two lectures; one recitation.

Second Year

1. **Physiology**—one lecture; one-half hour recitation; nine hours laboratory. 2. **Physiological Chemistry**—three lectures; six and a half hours laboratory. 3. **Bacteriology**—three lectures; nine hours laboratory. 4. **Pathology**—three lectures; ten hours laboratory. 5. **Theory and Practice**—two lectures; one recitation. 6. **Materia Medica**—two lectures; one recitation. 7. **Surgery**—two lectures and demonstrations. 8. **Anatomy**—three lectures; two and a half hours laboratory (first term); one recitation. 9. **Experimental Pharmacology**—two hours lecture and demonstration. 10. **Physical Diagnosis**—one hour exercise.

Third Year

1. **Theory and Practice**—four lectures; two recitations; two clinics. 2. **Clinical Microscopy**—two hours laboratory. 3. **Therapeutics and Electrotherapeutics**—two lectures; one recitation. 4. **Obstetrics and Gynecology**—three lectures. 5. **Pediatrics**—two lectures; one recitation half the term. 6. **Neurology**—one lecture; one recitation half the term; one clinic. 7. **Surgery (including operative, fractures, dislocations)**—four lectures; one recitation; three hours clinics. 8. **Physical Diagnosis**—section work two hours. 9. **Medical Jurisprudence**—one lecture half the term. 10. **Hygiene**—two lectures. 11. **X Rays**—one demonstration half the term. 12. **Ophthalmology, Dermatology, Laryngology, Rhinology and Otology**—two hours; clinical work in dispensaries, four hours.

Fourth Year

1. **Theory and Practice**—two lectures; one recitation; three hours clinics. 2. **Neurology**—one lecture; one clinic. 3. **Gynecology**—one lecture half the term. 4. **Obstetrics**—two and a half lectures. 5. **Surgery (including Orthopedics)**—four lectures; one recitation; three hours clinics. 6. **Specialties**—in sections—seven hours; one recitation. 7. **Conferences**—one medical; one surgical. 8. **Clinical work**—in groups—ten hours.

CLINICS

Third and Fourth Year Classes

WEDNESDAY—10:20 A. M. to 1 P. M. (Medicine, Surgery and Dermatology), Profs. MacFarlane and Archambault, and Drs. Wiltse and Theisen, 4th year.

12 M. (Surgery), Profs. Morrow and E. A. Vander Veer, 3d year.

FRIDAY—10 A. M. (Digestive Diseases), Prof. Neuman, 3d and 4th years.

FRIDAY—5 P. M. (Neurology), Prof. Archambault, 3d and 4th years.

SATURDAY—10 A. M. (Medicine), Prof. Neuman, 3d and 4th years.

11 A. M. (Surgery), Profs. Morrow and E. A. Vander Veer, 3d and 4th years.

Fourth Year Class divided into sections

MONDAY—11:30 A. M. to 1 P. M. (Laryngology), Prof. Root; (Ophthalmology), Cl. Pf. Bedell.

2:30 to 5:30 P. M. Class divided into small groups for practical work in the hospitals of Albany and Troy and in the Bender Laboratory.

TUESDAY—11:30 A. M., to 1 P. M., (Dermatology), Cl. Pf. Sautter; (Neurology and Electricity), Cl. Pf. Mosher; (Otology), Cl. Pf. Bendell.

2:30 to 5:30 P. M. Class divided into small groups for practical work in the hospitals of Albany and Troy and in the Bender Laboratory.

THURSDAY—2:30 to 4:30 P. M. Class divided into small groups for practical work in the hospitals of Albany and Troy and in the Bender Laboratory.

FRIDAY—11:30 A. M. to 1 P. M. (Ophthalmology), Cl. Pf. Bedell; (Neurology and Electricity), Cl. Pf. Mosher; (Genito-Urinary), Cl. Pf. Sautter.

2:30 to 4:30 P. M. Class divided into small groups for practical work in the hospitals of Albany and Troy and in the Bender Laboratory.

The provisional order of instruction for the ensuing session is given in the succeeding pages, and a corrected card will be issued at the opening of the session.

ORDER OF INSTRUCTION

NOTE—Order of Instruction for Second Half of Session of 1913-1914.

Order of Instruction for 1914-1915, while not completed at time of printing of this catalogue, will be of similar import.

FIRST YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Organic Chem. and Toxicology.	9 to 12 Anatomy Dissection.	Organic Chem. and Toxicology.	Organic Chem. and Toxicology.		Organic Chem. and Toxicology.
10	10:30 to 1 Histology Laboratory.		10 to 12 Chemical Laboratory.	10 to 12 Chemical Laboratory.	Organic Chem. and Toxicology.	10:30 to 11:30 Histology and Embryology.
11					History of Medicine	
12					Anatomy.	Anatomy.
3	2 to 5 Anatomy Dissection.	Organic Chem. and Toxicology.	2 to 5 Anatomy. Dissection	2 to 5 Anatomy Dissection.	Histology.	
4		Physiology.			Recitation in Physiology.	
5					Physiology.	

SECOND YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.	
9	Physical Diagnosis.	9 to 11:30 Demonstration of Pathology of Nervous System	9 to 11:30 Pathology Laboratory.	9 to 11:30 Pathology Laboratory.	9 to 10:30 Pathology Laboratory.	Theory&Practice.	
10	Theory and Practice.				10:30 to 11:30 Pathology Lecture.	Recitation in Materia Medica.	
11	Materia Medica.					Recitation in Theory and Practice.	
12	Anatomy.	Materia Medica.	11:30 to 12:30 Pathology Lecture.	11:30 to 12:30 Pathology Lecture.	11:30 to 12:30 Surgical Pathology.	Anatomy	
2	2:30 to 5:30 Physiology Laboratory	2:30 to 5:30 Physiology Laboratory.	2:30 to 5:30 Physiology Laboratory.	2:30 to 3:30 Experimental Pharmacology.	2:30 to 3:30 Experimental Pharmacology.		
3				Minor Surgery.	Anatomy of Nervous System.		
4							
5							Surg. Technic.

ORDER OF INSTRUCTION—*Continued*

THIRD YEAR

HOUR.	MONDAY.	TUESDAY	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Neurology.	Ophthalmology Electro-Therap.	Operative Surgery.	Obstetrics.	Surgery.	Theory and Prac.
10	Theory and Prac.	Theory and Practice.	Pediatrics.	Hygiene.	Digestive Diseases.	Medical Clinic. Albany Hosp.
11	Clinical Work in Sections.	Therapeutics.	Obstetrics.	Therapeutics.	Clinical Work in Sections.	Surgical Clinic. Albany Hosp.
12		Hygiene.	Surgical Clinic. Albany Hosp.	Clinical Work in Dermatology Laryngology Otology.		
2				2:30 to 4:30 Clinical Microscopy.	2:30 to 3:30 Clin. Pathology.	
3	Fractures and Dislocations.	Recit. in Theory and Practice.	Recit. in Surgery.		3:30 to 4:30 Pediatrics.	
4	Phys. Diag. Sec. A. Sec. B. Rec. Therapeut.	Phys. Diag. Sec. B. Sec. A. Rec. Gastro Enteric Diseases.	Gynecology.			
5	Surgical Diagnosis.		Rec. Ped. & Neu.	Med. Jurisprud. X-Rays.	Neurological Clinic.	

FOURTH YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.	
9	Neurology.	Orthopedic Surgery.	Surgery.	Surgery.	Surgery.	Surgical Conference.	
10	Obstetrics.	Medicine.	10:20 to 1 Med., Surg., Dermatol. Clinics Laryngol. Clinics St. Peter's.	Obstetrics.	Digestive Diseases.	Medical Clinic. Albany Hosp.	
11	Clinical Work. Class divided into four Sections.	Clinical work. Class divided into four Sections.		Recitation Surgery.	Clinical Work. Class divided into four Sections.	Surgical Clinic. Albany Hosp.	
12				Gynecology and Obstetrics.			
2	2:30 to 6 Clinical Work in Hospitals and Laboratory. Class divided into groups.	2:30 to 6 Clinical Work in Hospitals and Laboratory. Class divided into groups.	Recitation in Medicine.	2:30 to 6 Med. and Surg. Clinics Samaritan Hosp. Troy.	2:30 to 5 Clinical Work in Hospitals and Laboratory. Class divided into groups.		
3							
4							Medical Conference.
5							Rec.in Specialties

CLINICAL COURSES, 1914-15

(Morning assignments of fourth year class. The class divided into four sections)

SECTION A

HOOR.	DATE	MONDAY.	TUESDAY.	FRIDAY.
11:30 to 1:00	September 28 to November 13.	Ophthalmology Dr. Bedell Albany Hospital	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Dispen.
	November 16 to January 22.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ity Dr. Mosher Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.
	February 1 to March 19.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.
	March 22 to May 7.	Ophthalmology Dr. Bedell Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ity Dr. Mosher Albany Hospital.

SECTION B

11:30 to 1:00	September 28 to November 13.	Ophthalmology Dr. Bedell Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ity Dr. Mosher Albany Hospital.
	November 16 to January 22.	Ophthalmology Dr. Bedell Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Disp'sry
	February 1 to March 19.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ity Dr. Mosher Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.
	March 22 to May 7.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.

SECTION C

11:30 to 1:00	September 28 to November 13.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.
	November 16 to January 22.	Ophthalmology Dr. Bedell Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ity Dr. Mosher Albany Hospital.
	February 1 to March 19.	Ophthalmology Dr. Bedell Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Disp'sry
	March 22 to May 7.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol. & Elec'ity Dr. Mosher Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.

SECTION D

11:30 to 1:00	September 28 to November 13.	Laryn. & Rhin. Dr. Root Albany Hospital.	Neurol.&Elec'ity Dr. Mosher Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.
	November 16 to January 22.	Laryn. & Rhin. Dr. Root Albany Hospital.	Otology Dr. Bendell Albany Hospital.	Ophthalmology Dr. Bedell Albany Hospital.
	February 1 to March 19.	Ophthalmology Dr. Bedell Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Neurol. & Elec'ity Dr. Mosher Albany Hospital.
	March 22 to May 7.	Ophthalmology Dr. Bedell Albany Hospital.	Dermatology Dr. Sautter Alb.Hos.& S.E.Dis.	Genito-Urinary Dr. Sautter South End Disp'sry

CLINICAL COURSES, 1914-15

(Afternoon assignments of fourth year class. The class divided into groups of four students for practical work.)

MONDAYS, 2.30-6.00		TUESDAYS 2.30-6.00	FRIDAYS 2.30-4.30
Bender Laboratory		Bender Laboratory	Bender Laboratory
Diseases of Children St. Margaret's House		Diseases of Children St. Margaret's House	Diseases of Children St. Margaret's House
Tuberculosis Pavilion		Tuberculosis Pavilion	Tuberculosis Pavilion
Medicine St. Peter's Hospital		Medicine St. Peter's Hospital	Medicine Albany Hospital
Surgery Albany Hospital		Surgery St. Peter's Hospital	Surgery St. Peter's Hospital
Examination of School Children		Examination of School Children	Examination of School Children
2.30-4.30 Clinical Work on Insanity at Pavilion F 14 Students	4.30-6.00 Bandaging and Dressings	Obstetric Diagnosis at Albany Guild	Surgery Albany or Child's Hospital
	X-Ray Interpretation	Genito-Urinary Surgery Albany Hospital	X-Ray Interpretation
Gynecology South End Dispensary		Surgery Child's Hospital	Neurology Albany Hospital
Medicine Albany Hospital		Medicine Samaritan Hospital Troy, N. Y.	Medicine Homeopathic Hospital
Medicine at Hospital		Surgery Child's Hospital	Surgery Albany Hospital

OUTLINES OF COURSES

Theory and Practice of Medicine, etc.

PROFS. CURTIS, MACFARLANE, ROOT, NEUMAN, ARCHAMBAULT AND KELLERT;
CL. PROFS. MOSHER, SAUTTER, THEISEN, WILTSE, AND DRs. ROONEY,
HAWN, McCORD, LANAHAN, CORNING, MEYERS AND DOESCHER.

Theory and Practice. Two didactic lectures and one clinical lecture are delivered each week to the third and fourth year classes and one elementary recitation is held for the members of the second and third year classes. The work in medicine during the fourth year is almost entirely clinical and to a great extent in small sections (4 students) so that a large part of each day is spent in the wards of the hospitals. There is held each week a medical conference in which students report cases which they have seen and examined and these reports are criticised by the class. These courses are supplemented by study in a standard text-book; weekly recitations are held on the subject matter of the lectures, and a course upon gastro-enteric diseases is given to the fourth year class.

Clinical Medicine. A medical clinic is held each week, at the Albany Hospital, and at St. Peter's Hospital, before the third and fourth year classes. In these clinics students have opportunities to examine cases, their examination and diagnosis being criticised by the professor.

Neurology, Insanity and Medical Jurisprudence. The instruction in neurology extends over three years. It commences in the second year during which each week an illustrated lecture is given on the anatomy and physiology, and a laboratory exercise of two hours a week, devoted to the gross and microscopic study of the normal and pathological anatomy of the nervous system. During the third year the class attends one didactic and one clinical lecture and one recitation on diseases of the nervous system each week throughout the year and a demonstrative lecture on electro-therapeutics during one-half of the year. During the fourth year the students attend one didactic and one clinical lecture, and one recitation on diseases of the nervous system each week throughout the year. Each patient exhibited is assigned to two students, who having examined him previously, report on the case at the clinical lecture. During the fourth year also, the class being divided into small groups, each student is trained in the out-patient department in the methods of examination of patients. Practical work in the administration of electricity is also given to each student during the fourth year, the class being divided into sections.

Insanity: The fourth year class, divided into sections, receives clinical instruction in mental disorders in the wards of Pavilion F at the Albany Hospital.

Medical jurisprudence is taught by weekly didactic lectures during one-half of the year.

Diseases of the Skin. The third and fourth year classes have instruction in this subject by clinical courses, didactic lectures illustrated by plates or lantern slides and by the exhibition of cases.

Diseases of the Throat and Nose. This subject is presented in the clinical courses and by didactic lectures in such manner that the student is familiarized with the diseases of these parts and made acquainted with the various methods for the examination and treatment of laryngeal and nasal disorders, individual instruction being given to each student.

Physical diagnosis. The third year class divided in sections are taught practically the principles and signs of physical diagnosis in the examination of the body both in health and disease. The second year class in small divisions receive practical instruction during the second term in the examination of the normal chest by a number of instructors.

Clinical Microscopy. The third year class has practical laboratory work in microscopy, including the examination of the urine, blood, sputum, feces, cerebro-spinal fluid, exudates and transudates for clinical diagnosis.

Hygiene and Preventive Medicine. Hygiene is taught in lectures which have special reference to the needs of the general practitioner and in addition the State Department of Health has consented to deliver a series of twenty lectures upon hygiene and preventive medicine, especially upon the relation of bacteriology to public health and the control of communicable diseases.

Surgery

PROFS. MORROW, E. A. VANDER VEER AND KELLERT; CL. PROFS. H. BENDELL, SAUTTER, BEDELL, HARVIE, GUTMANN, TRAVER, WILTSE, AND DRs. MOORE, LEMPE, J. N. VANDER VEER, BERRY, LANAHAN, J. L. BENDELL, HACKER AND ALLEN.

In the lectures on *surgical pathology*, the method by which tissues are nourished in health having been discussed, the subjects of hypertrophy and atrophy are taken up, and then attention is given to the pathology of the methods by which wounds heal, and to the processes of inflammation, suppuration, ulceration, gangrene, necrosis, septicemia, pyemia, sapremia, poisoned wounds, etc. A considerable portion of the surgical course is devoted to

pathology, in which students must be well grounded. The course in operative surgery is thorough and includes all the usual operations. Material for the illustration of this course is sufficient, and students are required to operate upon the cadaver. In the department of principles and practice of surgery, particular attention is given to diagnosis, and all didactic teaching in the various branches of surgery is richly illustrated with clinical material furnished by the several hospitals.

Fractures and Dislocations. This subject is treated practically in a course of lectures in which the various fractures and dislocations are illustrated by a specially prepared skeleton. The employment of the various means for the reduction of dislocations and the preparation of splints and other surgical appliances, is taught in the lecture room, followed by clinical instruction at the hospital, students being required to examine and diagnose injuries, and to select, prepare and apply proper dressings for reduction and the retention of the appliances used. A very complete Roentgen ray apparatus is employed and its use is taught in every detail by frequent demonstrations.

Ophthalmology and Otology are taught by both didactic and clinical lectures and recitations, the students being required to examine and diagnose the cases. Practical exercises are held in the use of the ophthalmoscope, the determination of glasses and the performance of various operations. The eye and ear clinics are held every Monday and Friday at noon during the year.

Orthopedic Surgery is taught by lectures combined with clinical instruction, the various hospitals furnishing an abundance of material for the illustration of this important subject.

Abdominal Surgery, by means of didactic lectures richly illustrated with charts, through the surgical conference, section work and clinics, is taught in every detail.

Genito-Urinary Diseases. Diseases of the genito-urinary system are taught in the fourth year by lectures and practical exercises in clinical instruction, the sections of the class doing actual consultation work and discussing the cases exhibited. The groundwork of this subject is taught in the various clinics, including actual handling of cases and the use of the cystoscope, segregator, endoscope, ureteral catheterization and functional diagnostic work on the kidneys by means of the various tests. In this way students are made familiar with the various clinical reasonings whereby surgical diagnoses and prognoses are arrived at and proper treatment determined.

Minor Surgery, Surgical Technic and Surgical Diagnosis are fully presented by lectures and clinical demonstrations.

Clinical instruction is given in the various hospitals in the use and administration of anaesthetics.

Obstetrics and Pediatrics

CL. PROFS. LIPES, LOCHNER AND SHAW.

These subjects are treated in courses of didactic and clinical lectures on the science and art of obstetrics and on pediatrics. Recitations are held weekly during the term. Members of the senior class are required each to attend six or more cases of labor. Practical instruction in obstetrics is given at the Albany Hospital and also in the obstetric department of the Albany Guild for the Care of the Sick. Clinical material for the course in pediatrics is obtained from the Child's Hospital, St. Margaret's House for Infants, the Albany Orphan Asylum, the Lathrop Memorial, the dispensary of the Albany Hospital and the South End Dispensary.

Gynecology

PROF. SAMPSON.

Gynecology is treated by a course of class room studies in which the various normal and abnormal conditions of the pelvic organs are presented to the students in the form of illustrated problems which they are asked to solve. The solution of these problems is supplemented by additional information necessary to complete the subject under discussion. This exercise is held once a week throughout the entire junior, and one-half of the senior year. Practical instruction is given to the senior class (in small groups) at the South End Dispensary.

Chemistry

PROF. TUCKER, AD. PROF. MYERS, AND MR. LARKIN.

One college year's work in chemistry being now required for entrance, the general principles of the science, and inorganic chemistry, are not taught in detail, but are briefly reviewed in the first year to insure proficiency and prepare the student for the study of organic and physiological chemistry. All parts of these subjects are taught with especial reference to medicine. Pharmacopœial compounds receive especial attention, and considerable time is given to the chemical examination of potable water and other matters pertaining to sanitary chemistry as related to water supply, sewage disposal, ventilation, disinfection, food adulteration and kindred topics. The course in organic chemistry and toxicology is thorough and comprehensive, and is especially planned to meet the needs of students of medicine, emphasis being laid upon those compounds which are of medical interest. Physi-

ological chemistry is taught by laboratory work, lectures and recitations during the first half of the second year. The lectures are abundantly illustrated and recitations are held in each department.

Anatomy

PROFS. CRAIG AND KELLERT, AND DRS. LOMAX, ORMSBY AND STEIN.

The course in anatomy consists of explanatory lectures and recitations, with illustrations and demonstrations from the human subject and preparations from the museum. A lantern with complete outfit for reflection and projection with microscopic attachment has been added to the equipment and is frequently used for demonstrations during the anatomical lectures. The course extends through the first and second years.

Students are required to take practical courses during the first year in the Anatomical Laboratory and to dissect during that year, under the direction of the Professor of Anatomy, the lateral half of a human cadaver.

While systematic anatomy is made the basis of study for the first and second years, practical application of anatomy to medicine and surgery is explained in the lectures and regional anatomy given prominent consideration in the laboratory. Laboratory conferences are held each laboratory day by the Professor of Anatomy.

A full time Instructor in Anatomy will be at the college daily throughout the session to assist students in their anatomical laboratory work and to make available for instruction all museum specimens and to prepare demonstrations of fresh material for the instruction of the students.

During the second year special consideration is given topographical and applied anatomy and the central nervous system is adequately demonstrated.

Histology and embryology are taught by practical laboratory work as elsewhere described.

Materia Medica and Therapeutics

PROF. ———, AND CL. PROF. MOSHER.

The didactic lectures on materia medica are illustrated by all the official crude drugs, together with prints and specimens of the various official compounds and preparations. In addition there has been added a practical course, in which the organic crude drugs are carefully studied in detail and instruction is given in the methods used in compounding the various important pharmacopœial preparations. In the lectures on therapeutics, which ex-

tend through the second and third years, a course is given on prescription writing; and a comprehensive study of the therapeutics of drugs by classes is made. Special attention is given to the demonstration of the action of therapeutic agents, and to the methods of their administration.

During the third year the presentation of the different means and methods of medication resorted to in the treatment of disease is continued, and a separate course on physiological therapeutics is added, including Swedish movements, massage, ærotherapeutics, climatology, hydrotherapeutics, balneotherapy, dietetics, hypnotism, the rest cure, etc. A special course is given in electrotherapeutics. Recitations are held weekly.

Physiology

PROF. ———, AND ADJ. PROF. MYERS.

Didactic and experimental lectures are given upon this subject to the first and second year classes throughout the college term. These lectures are profusely illustrated by the aid of a projectoscope and lantern, portable microscopes, models and diagrams. Special attention is paid to the physiology of the circulation, digestion, absorption, secretions, animal heat and metabolism. A large part of the lectures to the second year class are devoted to the very modern physiology of the nervous system and localization.

PRACTICAL CLINICAL COURSES

In order to familiarize students with the practical work of their profession, and to bring them into closer personal contact with patients, the fourth year class is divided into sections of four men, and on four days in each week each man devotes the greater portion of the day to the examination and personal observation, under the supervision of the instructors, of patients in the wards and out-patient departments of the various hospitals and dispensaries. In this clinical work especial attention is devoted to the complete examination of the blood, urine, sputum and stomach contents, as well as to the special examination of the eye, ear and other organs. Thus in the course of the school year the men in each section acquire practical knowledge and technical diagnostic dexterity in general medicine, general surgery, gynecology, dermatology, neurology, insanity, otology, laryngology, ophthalmology, rhinology, diseases of children and infants, infant feeding, diseases of the rectum and genito-urinary tract, operative surgery, orthopedic surgery, clinical and operative obstetrics, electrotherapeutics and medical technic.

LABORATORIES

Analytical and Toxicological Chemistry

The chemical laboratory is well furnished, conveniently arranged and supplied with all necessary apparatus.

Physiological Chemistry, Experimental Physiology and Experimental Pharmacology

The Physiological Chemistry has been placed in the first half of the second year, two afternoons per week from 2 P. M. until 5:30 P. M. are devoted to laboratory work, three hours to recitations and lectures. The laboratory is equipped with sufficient desks and apparatus to give the men opportunity for developing technique in chemical work.

The experiments cover the usual subjects, of constituents of protoplasm, tests for these, chemical mechanisms involved in digestion, absorption and metabolism. An attempt is made to have the students appreciate thoroughly the chemical facts lying back of the usual tests that he will have to apply. The metabolism of the organism and its relation to diet are emphasized so that he will be in a measure prepared for the problems of pathological dietetics.

The work in Experimental Physiology is given during the second half of the second year at the Bender Laboratory. Three afternoons per week from 2 P. M. to 5 P. M. are devoted to it.

The experiments are performed on frogs, turtles and mammals. Also the students make themselves subjects for certain experiments. They are divided into groups, and each group is responsible for the satisfactory completion of the assigned experiment. In order to economize time and effort, the group is so organized that a rotation of duties results. In this way each man gets training in all the details of physiological work.

The experiments are planned with the end in view of giving the students a thorough grounding in the large problems of how the organism co-ordinates and integrates all the specific activities into a workable machine. The points at which this co-ordination is capable of being affected by drugs and other means are considered. The desire is present to give the men such a comprehensive grasp of the mechanism of physiological action that the sole and unthinking acceptance of therapeutic measures will be unnecessary. Finally such a course gives an opportunity for development of a technique in handling living tissues that ought to be extremely helpful in future hospital training.

The course in Experimental Pharmacology consists of lectures, laboratory work, demonstrations and discussions. As

presented, this course is very closely allied to Experimental Physiology. The nerve mechanisms and the normal processes taking place in the different organs of the body are first considered, followed by a study of the changes in these normal processes brought about by drugs. In this way the fundamental basis of the action of drugs is clearly demonstrated.

Anatomy

The dissecting and demonstration laboratories and the recitation rooms are well lighted and equipped and an ample supply of carefully prepared material is available. An endeavor is made to make the entire course in anatomy practical, consistent and useful, and to assist the student in laying a broad foundation of anatomical knowledge on which to build future courses in didactic and clinical medicine and surgery.

Histology, Embryology, Pathology, Bacteriology and Clinical Microscopy

Work in these departments is carried on in the Bender Hygienic Laboratory, on South Lake Avenue, near the Albany Hospital.

This building was erected by the late Matthew W. Bender of Albany, and is thoroughly equipped with the apparatus necessary for the study of histology, pathology, bacteriology and clinical microscopy. Practical work in these branches is obligatory upon all students, and abundant opportunity is furnished in the laboratory for acquiring a thorough knowledge of these important subjects. An electric lantern which is adapted to the projection of pictures and microscopic preparations as well as lantern slides is used to supplement the more practical methods of demonstration.

Histology. The work consists of explanatory talks covering the subject of the day's study, followed by practical exercises in the laboratory.

Embryology. The star-fish egg is studied for early segmentation stages; gross and microscopic examination of a series of hen's eggs for formation of germ layers and development of the nervous and vascular systems. In a similar way the embryo of the pig is used for the development of the organs which is taken up again, according to the plan of Lewis, when each organ is studied histologically.

Bacteriology. The work consists of lectures followed by practical laboratory exercises. It is intended to render the student familiar with the underlying principles of bacteriology and their application to clinical medicine and surgery.

Pathology. The work consists of a short lecture on the subject under discussion for the day followed by practical exercises in

pathological anatomy and histology. Besides this the students are instructed in the technique of making autopsies, and examine material from autopsies and surgical operations. Demonstrations in experimental pathology are introduced whenever possible.

Clinical Microscopy. The course consists of preliminary talks followed by practical work in the examination of blood, urine, sputum, fæces, stomach contents, exudates, etc.; and includes a short course in clinical bacteriology.

Clinical Pathology.—In this course histories of clinical cases are discussed. Pathological material bearing on these cases are given for gross and microscopic study.

In all these courses the student is taught independent methods of work and is required to keep a permanent record, illustrated by drawings, of all laboratory exercises.

A limited number of students who have shown proper aptitude are offered the opportunity to work along more advanced lines.

For the alumni of this school, and for the profession at large, this laboratory offers excellent facilities for bacteriological and pathological examination of specimens, and for the examination of urine, sputum, and blood, including the Wassermann-Noguchi reaction. Information regarding such examinations may be obtained by communicating with Dr. Ellis Kellert, Director, Bender Laboratory, South Lake Avenue, Albany.

ENTRANCE REQUIREMENTS

All candidates for admission for 1914-15 must comply with the requirements of the University of the State of New York as fully stated on pages 32 and 33.

Medical Student Certificate—When all requirements are fulfilled, the Department issues a medical student certificate which is required for entrance and which the candidate must file with the Registrar of the college.

Address all communications relating to this certificate to Examinations Division, University of the State of New York, Albany, N. Y., and not to this college.

Advanced Entrance Requirements in 1914-15

Beginning with the session of 1914-1915 candidates for admission will be required to furnish evidence of one year's work in a college or scientific school in physics, biology, inorganic chemistry and a modern language. Union College, Schenectady, N. Y., has arranged for a collegiate year embracing these subjects.

FEES AND EXPENSES

Fees, excepting the final examination fee, are payable each year in advance, are not returnable, and are as follows:

FIRST YEAR	
Matriculation	\$5 00
Lecture Course	125 00
Chemical Laboratory	10 00
Histological Laboratory	10 00
Dissection (including material)	10 00
	\$160 00
SECOND YEAR	
Matriculation	\$5 00
Lecture Course	125 00
Bacteriological and Pathological Laboratory	20 00
Physiological Chemistry and Experimental Physiology ..	15 00
	165 00
THIRD YEAR	
Matriculation	\$5 00
Lecture Course	125 00
Clinical Microscopy and Pathology	15 00
	145 00
FOURTH YEAR	
Matriculation	\$5 00
Lecture Course	125 00
Final Examination	25 00
	155 00

In addition to the fees above stated, an annual charge of two dollars is made to members of the first, second and third year classes, for the use of microscopes and other apparatus. This fee is paid to the director at the Bender Laboratory after laboratory tickets have been issued by the registrar. For the laboratory work in physiological chemistry there is a fee of two dollars to cover use of apparatus and breakage payable to the director at the beginning of the session. The faculty reserves the right to make further rules without notice covering breakage and destruction of property in other departments.

All fees are payable strictly in advance except that the final examination fee may be paid at any time before the examinations begin. Students from other colleges applying for admission to advanced standing as herein provided will be required to pay the matriculation fee and also five dollars for each department in which they may be examined. Graduates of the school may attend lectures and stated clinics without charge except for matriculation in case of prolonged attendance.

The cost of living in Albany is less than in most other cities of its size. A list of boarding houses is kept by the janitor, and

also at the Students' Club, at which good rooms and board can be obtained at from four to five dollars a week or upwards, and by clubbing together students can live comfortably at still lower rates. No estimate can well be made of cost of text-books and other personal expenses since these of necessity vary greatly in different cases.

BOOKS RECOMMENDED

FOR TEXT BOOKS.	BOOKS RECOMMENDED FOR REFERENCE.
ANATOMY—Gray, Cunningham's Manual . . .	Paterson, Heisler, Toldt's Atlas.
ANATOMY NERVOUS SYSTEM—Gordinier, Vil- liger	Edinger, Van Gehuchten.
HISTOLOGY—Stöhr (Lewis)	Schafer, Szymonowicz, Ferguson [McConnel]
PATHOLOGY—Delafield & Prudden	Zeigler, Stengel, Mallory and Wright, Adami,
BACTERIOLOGY—Jordan	Muir and Ritchie, McFarland, Park, Hiss & Zinzer
PHYSIOLOGY—Howell	Landois, Schaefer, Foster, Tigerstedt.
EXPER. PHYSIOL.—Syllabus	Beddard, Krehl, Busch, Brodie, Stewart.
MATERIA MEDICA—Wood's Pharm. and Ther.	Nat. Dispens., U. S. Phar., Nat. Formulary
PHARMACOLOGY—Gottlieb and Meyer	Cushney, Sollmann, Dixon.
THERAPEUTICS—Hare	Foster.
ELECT. THERAP. AND DIAG.—Turner, Mosher	Hedley.
THROAT AND NOSE—Kyle, Phillips	Coakley, Shurley, Bosworth.
ANALYTICAL CHEMISTRY—Laboratory Notes	Bartley Clin. Chem., Rockwood.
ORGANIC CHEMISTRY—Sadtlir & Coblenz . . .	Bartley, Richter, Holland.
PHYSIOL. CHEMISTRY—Haw	Long, Hammersten, C. E. Simon, Hoppe- Seyler.
MED. JURISPRUD. AND TOXICOL.—Reese . . .	Hamilton, Wormley, Herold, Autenrieth.
CHEMISTRY OF URINE—Tyson	Ogden, Saxe, Purdy.
THEORY AND PRACTICE—Anders	Osler, Thompson, Tyson, Wood and Fitz Edwards and Hare, Forcheimer.
GASTRO-ENTERIC DISEASES—Aarons	Boaz, Kemp.
PHYS. DIAG.—Musser, MacFarlane	Le Fevre, Anders.
CLIN. MICROSCOPY—Syllabus	Simon, Emerson, Sahli, Faught, Todd.
HYGIENE—Bergey	Harrington, Rohé and Robin.
MENTAL DISEASES—Mosher's Syllabus	Clouston.
DERMATOLOGY—Jackson	Hyde, Pusey, Schamberg.
NEUROLOGY—Hun's Syll., Hun's Diag., Starr	Church & Peterson.
HISTORY OF MEDICINE—Park	Baas.
FRAC. AND DISLOCATIONS—Stimson	Scudder, Cotton.
PRIN. AND PRAC. SURG.—Mumford	Parks, Da-Costa, Fowler, Rose and Carless Lexer-Bevan, Keen's System, Bryant.
SURGICAL PATHOLOGY—Warren	Billroth-Winiwarter, Senn.
OPERATIVE SURGERY—Bryant	Kocher, Smith, Binnie, McGrath, Bickham, Stewart.
ASEPTIC TREATMENT WOUNDS—Beck	Thornbury, Stewart.
SYPHILIS—White & Martin	Keyes, Morrow, Taylor, Morton, Fournier.
GENITO-URINARY—Chetwood	Watson and Cunningham, Cabot, Pilcher Faught, Guiteras.
SURGICAL DIAGNOSIS—Berg	Eisendrath, Albert. Martin.
MINOR SURGERY—Wharton	Foote.
ORTHOPEDIC SURGERY—Bradford & Lovett .	Young, Whitman.
ABDOMINAL SURGERY—Douglas	Moynihan, Noble and Kelly.
SURGICAL ANATOMY—Campbell	Fuchs, DeSchweinitz.
OPHTHALMOLOGY—May	Dench, Politzer.
OTOLOGY—Barnhill & Wales	
OBSTETRICS—Williams	Hirst, Edgar, King.
GYNECOLOGY—Sampson	Kelly's Med. Gynecology.
DISEASES OF CHILDREN—Holt	Rotch, Koplik Kerley, Pfaundler and Schloss- man (Shaw).

DICTIONARY—Stedman Med. Dict., Dorland Med. Dict., Gould, Lippincott Med. Dict.

EXAMINATION DEPARTMENTS

First Year

FINALS

1. Anatomy — Dr. Craig.
2. Histology and Embryology — Drs. Kellert and Stein.
3. Organic Chemistry and Toxicology — Dr. Tucker.

SEMI-FINALS

4. Physiology —

Second Year

FINALS

1. Physiology —
2. Physiological Chemistry — Mr. Myers.
3. Bacteriology — Dr. Kellert.
4. Pathology (including Surgical Pathology and Pathology of the Nervous System) — Drs. Kellert and Archambault.
5. Medicine (including Physical Diagnosis) — Drs. MacFarlane and Neuman.
6. Materia Medica —
7. Surgery — Drs. Morrow, Lempe and Hacker.
8. Anatomy (including gross and microscopic Anatomy of the Nervous System) — Drs. Craig and Archambault.
9. Experimental Pharmacology — Mr. Myers.

Third Year

FINALS

1. Therapeutics (including Electro-therapeutics) — Drs. ——— and Mosher.
2. Medicine (including Physical Diagnosis and Medical Jurisprudence) — Drs. MacFarlane and Neuman.
3. Surgery (including Surgical Pathology, Operative Surgery, Fractures and Dislocations and X-Ray) — Drs. Morrow, E. A. Vander Veer and Berry.
4. Neurology — Dr. Archambault.
5. Obstetrics — Drs. Lipes and Lochner.
6. Pediatrics — Dr. Shaw.
7. Gynecology — Dr. Sampson.
8. Hygiene and Public Health — Dr. Rooney.
9. Clinical Pathology and Clinical Microscopy — Dr. Kellert.

SEMI-FINALS

10. Specialties—Ophthalmology, Dermatology, Laryngology, Rhinology and Otology — Drs. Curtis, Root, Bendell and Bedell.

Fourth Year

1. Medicine — Drs. MacFarlane and Neuman.
 2. Surgery — Drs. Morrow and Edgar Vander Veer.
 3. Obstetrics — Drs. Lipes and Lochner.
 4. Gynecology — Dr. Sampson.
 5. Neurology and Insanity — Drs. Archambault and Mosher.
 6. Specialties — Ophthalmology, Dermatology, Laryngology, Rhinology and Otology — Drs. Curtis, Root, Bendell and Bedell.
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EXAMINATION RULES

A student who, at the end of the college year, as the result of his work and examination combined, is deficient in three or more departments of the first; in five or more of the second; or in six or more of the third year, is required to repeat the year's work and is re-examined in *all* subjects at its close.

A student not so debarred who fails in one or more departments is examined in October in the subjects in which he is conditioned and if he then fails in two or more departments of the first year or has three or more conditions in all at the end of the second year, he is debarred from entering upon the work of the next higher year and is required to repeat the year's work. All students entering the senior class must be free of all conditions except such as may be permitted to do so by the Dean and Registrar for satisfactory reasons.

The examination of students of the first, second or third year classes who may have failed in the spring examinations in one or more departments but not exceeding the number above stated, is held in October (for 1914 in week beginning October 5), and students of the first and second years failing at this time in no more departments than are allowed as above stated may be re-examined in these departments in the following spring.

Any student who, in the judgment of the faculty, is deemed incompetent to enter upon the work of the succeeding year will be debarred from so doing.

In the case of students from other colleges applying for admission to advanced standing in this college, their fitness to do so will be determined by the faculty in each instance, and these examination rules are not to be understood as giving to such applicants any right to demand admission to any of the classes.

It is further provided that any second year student eligible to try the State Board Partial Examinations must do so at the conclusion of that year, as a condition to entrance to the third year class. Should he fail to pass such examinations, he can enter the third year class, but must pass the partial state examinations before entering the fourth year class.

REQUIREMENTS FOR GRADUATION

The candidate must be twenty-one years of age, and exhibit a certificate from a physician or surgeon, duly authorized by law to practice his profession, that he has studied medicine and surgery under his instruction during the period required by law in this state (see page 34, sec. 4), and he must present evidence of having complied with the law concerning preliminary education (see pages 32 and 33).

He must have attended not less than four regular courses of lectures of which the last shall have been at this college.

Students who have attended one or more courses of lectures at other registered medical colleges may be admitted to advanced standing in this college if they submit proper evidence of such attendance and a precise statement of subjects included in "Examination Departments," page 28, in which satisfactory final examinations have been passed, and comply with the requirements stated under "Examination Rules," page 29. No credit will be given for work done elsewhere in fourth year departments.

He must be of good moral character.

He must maintain a satisfactory standing during his course and pass satisfactory final examinations in the several branches taught.

Regular and punctual attendance is required, and matriculation tickets are endorsed with attendance at the end of the term.

For catalogues or further information, address

JOSEPH D. CRAIG, M.D., *Registrar*,
Albany, N. Y.

July 30, 1914.

PRIZES AND HOSPITAL APPOINTMENTS

The S. Oakley Vander Poel prize, consisting of a clinical microscope, is awarded to the senior student passing the best bedside examination in general medicine. This prize was endowed by Mrs. Vander Poel in memory of her husband for many years a professor in this college.

Professors A. and E. A. Vander Veer offer a prize of seventy-

five dollars for the best report of the surgical clinics held during the session, and Professor Morrow and Dr. Traver offer a prize of a complete pocket case of instruments for the second best report of these clinics.

Professor Merrill offers a prize consisting of an ophthalmoscope for the best final examination in ophthalmology.

The Townsend physiological prize, endowed by the late Prof. Franklin Townsend, Jr., M. D., is awarded to the student passing the best examination in physiology at the expiration of his first year of study in that branch.

Professor Boyd offers a case of instruments to the senior student passing the best final examinations in obstetrics.

Dr. Lempe offers a prize of fifty dollars in gold to the student submitting the best report of the lectures on minor surgery.

The Daggett trust. Pursuant to the provisions of a bequest by the late Dr. Nathan G. Daggett, of Schenectady, N. Y., an alumnus of the college of the class of '67, the following prizes are announced for the ensuing year:

1. For the best "anatomical specimens," a first prize of sixty dollars, and a second prize of thirty dollars. In 1915 these prizes will be awarded to the students presenting the best and second best series of specimens, prepared under the direction of the demonstrator of anatomy, indicating original research by the competitors.

For the methods of preparation of the specimens to be competed for this year and for the formulae to be used in the injections, application can be made to the Professor of Anatomy.

Preparations must be ready to be deposited with the professor of anatomy by May 15, 1915. All specimens submitted in competition for the prizes are to be the property of the college, whether awarded prizes or not. Prizes will be awarded only to preparations of merit. Further information may be obtained from the professor of anatomy.

2. For the best "deportment irrespective of scholarship," as determined by the faculty, a first prize of sixty dollars, and a second prize of thirty dollars, these prizes restricted to members of the graduating class.

At or about the close of each session, vacancies occur in the house staffs of the Albany hospitals and these are filled by competitive examinations, open to the members of the graduating class.

MEDICAL STUDENT EXAMINATIONS

PUBLIC HEALTH LAW, CH. 45 OF THE CONSOLIDATED LAWS.

To provide for the preliminary education of medical students:

The degree of bachelor or doctor of medicine shall not be conferred in this state before the candidate has filed with the institution conferring it the certificate of the regents that before beginning the first annual medical course counted toward the degree, he had either graduated from a registered college or satisfactorily completed a full course in a registered academy or high school; or had a preliminary education considered and accepted by the regents as fully equivalent; or held a regents' medical student certificate; or passed regents' examinations securing 60 academic counts, as provided in the rules of the regents, or their full equivalent, before beginning the first annual medical course counted toward the degree.

Regents Revised Rules

In determining a candidate's qualifications for matriculation in a medical school or for admission to the medical licensing examinations, the Regents will accept as equivalent to the required academic education any one of the following, providing that in each case the course completed included one year of each of the following: biology, chemistry and physics:

1. Evidence upon forms furnished by the Department, of the successful completion of four years' work in an approved secondary school, or
2. Evidence of the successful completion of one full year's work in an approved college or university, or
3. Evidence of the successful completion of work in another state or in a foreign country equivalent to the completion of a four-year course in an approved New York State secondary school.

All applicants for qualifying certificates upon equivalents from foreign countries other than those in which English is the language of the people, all or any part of which equivalent certificates are earned or issued in said foreign countries, shall pass the Regents examination in second year English.

A candidate that is unable to offer a certificate from a registered institution of having done the required academic work on presenting to the Regents satisfactory evidence of the fact that, and the time when, such work was done, may after demonstrating sufficient educational proficiency by passing Regents examinations, have a Regents certificate showing that the required preliminary academic education was acquired at the time established by the said evidence.

The medical student certificate issued upon examination, must be earned as follows:

English, three years, 10 counts; elementary algebra, 5 counts; plane geometry, 5 counts; physics, chemistry and biology, 15 counts; any second year foreign language, 10 counts; American history with civics, 5 counts; electives, 10 counts.

The electives shall be, English fourth year, 3 counts; Latin second year, or Greek second year, or French second year, or German second year, or Spanish second year, or Italian second year, or Hebrew second year, 10 counts; advanced algebra, 5 counts; advanced arithmetic, 2 counts; physical geography, 5 counts; ancient history, 5 counts; history of Great Britain and Ireland, 5 counts; modern history I, 3 counts; modern history II, 3 counts; economics, 2 counts; elementary bookkeeping and business practice, 3 counts; advanced bookkeeping and office practice, 5 counts; shorthand I, 5 counts; shorthand II, 5 counts; elementary representation, 2 counts; advanced design, 2 counts; advanced representation, 2 counts. Partial equivalent qualifying certificates must be based on the same group requirements.

This new rule applies to students in the school who seek to earn qualifying certificates upon examination as well as to those who take the special examinations given by the Department at Albany, Buffalo, New York and Syracuse.

Hereafter only candidates for qualifying certificates, who are not enrolled in a school giving Regents examinations, will be admitted to the special examinations at Albany, Buffalo, New York and Syracuse, and all such candidates must secure admission cards from Albany 10 days in advance of the examination.

When all requirements are fulfilled, the Regents grant on receipt of 25 cents a medical student certificate, which shows the subjects and their values.

On receiving this certificate, the candidate must send it to the secretary or recording officer of the university or college at which he intends to study medicine.

Address all communications relating to these examinations to Harlan H. Horner, Chief Examinations Division, University of the State of New York, Albany, N. Y., and not to this college.

Dates of Regents examinations for the academic year 1914-1915: 1914, September 14-16; 1915, January 18-22, June 14-18, September 13-15.

NOTE—September examinations will be held in Albany for medical students, and also in New York, Syracuse and Buffalo. Other examinations will be held at different points throughout the State. Particulars concerning these examinations may be obtained by addressing Harlan H. Horner, Chief, Examination Division, University of the State of New York, Albany, N. Y.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN NEW YORK STATE

All requirements for admission should be completed at least one week before examinations.—They are as follows:

1. Evidence that applicant is more than 21 years of age (Form 1).
2. Certificate of moral character from not less than two physicians in good standing (Form 1).
3. Evidence that applicant has the general education required, preliminary to receiving the degree of bachelor or doctor of medicine in this state. (Medical student certificate. See handbook No. 3, Examinations).
4. Evidence that applicant has studied medicine not less than four school years, including four satisfactory courses of at least seven months each, in four different calendar years in a medical school registered as maintaining at the time, a standard satisfactory to the Regents. New York medical schools and New York medical students shall not be discriminated against by the registration of any medical school out of the state, whose minimum graduation standard is less than that fixed by statute for New York medical schools.

First exemption: "The regents may in their discretion accept as the equivalent for any part of the third and fourth requirement, evidence of five or more years reputable practice of medicine, provided that such substitution be specified in the license."

a For matriculates prior to January 1, 1897, in lieu of all the preliminary requirement and one year of the professional requirement.

b For matriculates between January 1, 1897, and January 1, 1911, in lieu of one year of the preliminary requirement and one year of the professional requirement.

c For matriculates after January 1, 1911, no acceptance of reputable practice for any part of either the third or fourth requirement.

5. Evidence that applicant "has received the degree of bachelor or doctor of medicine from some registered medical school, or a diploma or license conferring full right to practice medicine in some foreign country." (Form 2.)

6. The candidate must pass examinations in (1) anatomy, (2) physiology, (3) chemistry, (4) hygiene and sanitation, (5) surgery, (6) obstetrics and gynecology, (7) pathology and bacteriology, and (8) diagnosis. The questions shall be the same for all candidates.

Second exemption: "Applicants examined and licensed by other state examining boards registered by the regents as maintaining standards not lower than those provided by this article, and applicants who matriculated in a New York state medical school before June 5, 1890, and who received the degree M. D. from a registered medical school before August 1, 1895, may without further examination, on payment of \$25 to the regents and on submitting such evidence as they may require, receive from them an indorsement of their licenses or diplomas, conferring all rights and privileges of a regents' license issued after examination." Indorsements of Michigan, Ohio, Delaware, Indiana, Utah, New Jersey and Wisconsin licenses are now possible.

7. A fee of \$25 payable in advance.

An applicant 19 years of age certified as having studied medicine not less than two years including two satisfactory courses of at least seven months each, in two different calendar years in a medical school registered as maintaining at the time a satisfactory standard, may be admitted conditionally to the examination in (1) anatomy, (2) physiology, (3) chemistry.

Medical Examinations

Examinations for license to practice medicine in this state will be held as follows:

DATES		PLACES
1914	1915	New York
Sept. 22-25	Jan. 26-29	Albany
	May 25-28	Syracuse
	June 29 to July 2	Buffalo
	Oct. 5-8	Each candidate is notified as to exact place

Daily Program

	Morning 9:15	Afternoon 1:15
<i>Tuesday</i>	Anatomy.....	Physiology
<i>Wednesday</i> ...	Chemistry.....	Hygiene and sanitation
<i>Thursday</i>	Surgery.....	Obstetrics and gynecology
<i>Friday</i>	Pathology and bacteriology.....	Diagnosis

Address all communications relating to State licenses and examinations to Examinations Division, University of the State of New York, Albany, N. Y., and not to this college.

GRADUATES OF 1914

Commencement Exercises held in Auditorium, New York State
Education Building, Tuesday, May 26, 1914

NAME	RESIDENCE
John Deming Arnett.....	Knowlesville, N. Y.
Abraham Ball.....	Brooklyn, N. Y.
David Wiltsie Beard.....	Cobleskill, N. Y.
*Edward Joseph Buxbaum.....	Brooklyn, N. Y.
John Peter Byrnes.....	Pittsfield, Mass.
Edward James Callahan.....	Mechanicville, N. Y.
George Clay Carter.....	Albany, N. Y.
Edward Cochrane John Costelloe.....	Brooklyn, N. Y.
John Kenneth Crandall.....	Wappingers Falls, N. Y.
George Jacob Culver.....	Schenectady, N. Y.
Daniel Sylvester Cuning.....	Troy, N. Y.
Frank Edgerton Deeds.....	Schenectady, N. Y.
Nicholas Antonio Falvello, A. B.....	Brooklyn, N. Y.
Samuel Sanders Fischhoff.....	Brooklyn, N. Y.
*Albion James Fitzgerald.....	Albany, N. Y.
Frank Carmine Furlong.....	Highland, N. Y.
John Warren Gard.....	Auburn, N. Y.
Clarence Gardinier.....	Schenectady, N. Y.
Parker Arthur Groff.....	Rome, N. Y.
Robert Wilhelm Helm.....	Saratoga Springs, N. Y.
John Thomas Hopkins Hogan.....	Troy, N. Y.
William Patrick Howard.....	Albany, N. Y.
Edwin Horton Huntington.....	Hopewell Junction, N. Y.
Lawrence Jacobius.....	New York, N. Y.
George Rudolf Jordy.....	New York, N. Y.
Charles Aubrey Joy.....	Springwater, N. Y.
Harry Vincent Judge.....	Albany, N. Y.
Joseph Thomas Loughlin.....	Brooklyn, N. Y.
*Wilbur Foster MacDonald.....	Schenectady, N. Y.
John Stoddard McCormick, Ph.G.....	Albany, N. Y.
Thomas Hugh McGrail.....	Albany, N. Y.
Floyd Guy Nellis.....	Boonville, N. Y.
Wilber Sylvester Newell.....	Syracuse, N. Y.
William O'Connor, B. S.....	Albany, N. Y.
Harry Okun.....	New York, N. Y.
Julius Joseph Padula.....	Albany, N. Y.
Harry Day Parkhurst.....	West Winfield, N. Y.
Charles Adelbert Perry.....	Rome, N. Y.
Robert Reid, Jr.....	Schenectady, N. Y.
Charles Quevedo Rendell.....	Richmond Hill, N. Y.
Harry Stephen Reynolds, B. S.....	Schenectady, N. Y.
Edward Louis Robbins.....	Syracuse, N. Y.
James Israel Schoonmaker.....	West Coxsackie, N. Y.
Frank Arthur Searle.....	Southampton, Mass.
Lewis Jeriah Smith.....	Westfield, Mass.
Theron Smith.....	Newburgh, N. Y.
William Irving Walsh.....	Troy, N. Y.
John Waluk.....	Amsterdam, N. Y.
Willard Elmer Wheelock.....	Canajoharie, N. Y.
Cecil Charles Whitemore.....	Albany, N. Y.
Fred DeGrande Wilson.....	Downsville, N. Y.
Leon Wolff.....	Brooklyn, N. Y.
Laurence Randolph Worrell.....	Albany, N. Y.
Harry Theodore Wygant.....	Watervliet, N. Y.
and	
† Darwin Alfred Bruce.....	Albany, N. Y.

* Not being of legal age, will receive their diplomas on commencement day 1915.

† Passed in 1913 but was not of legal age, and receives his diploma at this time.

PRIZES AND HOSPITAL APPOINTMENTS 1914

Vander Poel prize, for best bedside examination in general medicine, to Dr. Harry D. Parkhurst. Honorable mention to Drs. Fred D. Wilson and John S. McCormick.

Vander Veer-Elting prize, for best report of surgical clinics, to Dr. Albion J. Fitzgerald.

Morrow-Traver prize, for second best report, to Dr. John S. McCormick.

Merrill prize, for best final examination in ophthalmology, to Dr. George J. Culver.

Townsend prize, for best examination in physiology at end of first year of study, to Mr. Joseph Motler. Honorable mention to Mr. Edward G. Sheehan.

Boyd prize, for best final examination in obstetrics, to Dr. Thomas H. McGrail.

Nellis prize, for best final senior examination, to Dr. William P. Howard. Honorable mention to Drs. George J. Culver and Harry V. Judge.

Daggett trust prizes, for best anatomical preparations, first to Mr. Archibald A. Walker; second to Mr. Leon C. Coté.

Daggett trust prize, for the best deportment, first to Dr. Edwin H. Huntington; second to Dr. Lewis J. Smith.

Lempe prize, for best report of second year minor surgery lectures, to Mr. George M. Richard. Honorable mention to William J. Carroll.

Appointed Essayist for 1915, Arthur M. Dickinson; alternate, Lawrence J. Early.

ALBANY HOSPITAL APPOINTMENTS.—Drs. William P. Howard, Harry V. Judge, Fred D. Wilson; James I. Schoonmaker, Frank A. Searle, Wilber S. Newell, Edward J. Callahan and David W. Beard.

ST. PETER'S HOSPITAL.—Drs. George J. Culver, Willard E. Wheelock and Edward L. Robbins.

HOMEOPATHIC HOSPITAL.—Drs. Frank C. Furlong, Abraham Ball, George R. Jordy and Leon Wolff.

TROY HOSPITAL.—Drs. John T. H. Hogan, Daniel S. Cuning and Clarence Gardinier.

SAMARITAN HOSPITAL, Troy.—Drs. Wm. I. Walsh and Thos. H. McGrail.

ELLIS HOSPITAL, Schenectady.—Drs. Edwin H. Huntington, Lewis J. Smith and Wilbur F. MacDonald.

MERCY HOSPITAL, Schenectady.—Dr. Robert Reid, Jr.

GOVERNEUR HOSPITAL, New York City.—Dr. Albion J. Fitzgerald.

METROPOLITAN HOSPITAL, New York City.—Drs. John S. McCormick, Robert W. Helm and John K. Crandall.

ST. LUKE'S HOSPITAL, Utica.—Dr. Harry D. Parkhurst.

BOSTON CITY HOSPITAL, Boston, Mass.—Dr. John P. Byrnes.

PHILADELPHIA GENERAL HOSPITAL, Pa., as Clinical Assistant to Dr. L. W. Babcock.—Dr. Harry T. Wygant.

BETH DAVID HOSPITAL, New York City.—Dr. Harry Okun.

AUBURN CITY HOSPITAL.—Dr. John W. Gard.

HOSPITAL OF GOOD SHEPHERD, Syracuse.—Drs. Charles A. Joy and John D. Arnett.

ST. MARY'S HOSPITAL, Brooklyn.—Dr. Edward C. J. Costelloe.

MARY IMMACULATE HOSPITAL, Jamaica.—Drs. Nicholas A. Falvello and Edward J. Buxbaum.

ST. LUKE'S HOSPITAL, Newburgh.—Dr. Theron Smith.

ENGLEWOOD HOSPITAL, N. J.—Dr. Parker A. Groff.

UTICA GENERAL HOSPITAL.—Dr. Cecil C. Whittemore.

ST. FRANCIS HOSPITAL, Hartford, Conn.—Dr. Harry S. Reynolds.

NEWARK CITY HOSPITAL, N. J.—Dr. Frank E. Deeds.

ST. JOSEPH'S HOSPITAL, Far Rockaway.—Dr. Lawrence Jacobius.

N. B. REID'S ROME INFIRMARY.—Dr. Charles A. Perry.

POLYCLINIC HOSPITAL, New York City.—Dr. Joseph T. Loughlin.

BROOKLYN HOSPITAL.—Dr. Charles Q. Rendell.

STUDENTS 1913-1914

Fourth Year

NAME	RESIDENCE
John Deming Arnett	Knowlesville
Abraham Ball	Brooklyn
David Wiltsie Beard	Cobleskill
Edward Joseph Buxbaum	Brooklyn
John Peter Byrnes	Pittsfield, Mass.
Edward James Callahan	Mechanicville
George Clay Carter	Albany
Edward Cochrane John Costelloe	Brooklyn
John Kenneth Crandall	Wappingers Falls
George Jacob Culver	Schenectady
Daniel Sylvester Cuning	Troy
Frank Edgerton Deeds	Schenectady
Nicholas Antonio Falvello, A. B.	Brooklyn
Samuel Sanders Fischoff	Brooklyn
Albion James Fitzgerald	Albany
Frank Carmine Furlong	Highland
John Warren Gard	Auburn
Clarence Gardinier	Schenectady
Parker Arthur Groff	Rome
Robert Wilhelm Helm	Saratoga Springs
John Thomas Hopkins Hogan	Troy
William Patrick Howard	Albany
Edwin Horton Huntington	Hopewell Junction
Lawrence Jacobius	New York
George Rudolf Jordy	New York
Charles Aubrey Joy	Springwater
Harry Vincent Judge	Albany
Joseph Thomas Loughlin	Brooklyn
Wilbur Foster MacDonald	Schenectady
John Stoddard McCormick, Ph.G.	Albany
Thomas Hugh McGrail	Albany
Floyd Guy Nellis	Boonville
Wilber Sylvester Newell	Syracuse
William O'Connor, B. S.	Albany
Harry Okum	New York
Julius Joseph Padula	Albany
Harry Day Parkhurst	West Winfield
Charles Adelbert Perry	Rome
*Charles George Rattner	New York
Robert Reid, Jr.	Schenectady
Charles Quevedo Rendell	Richmond Hill
Harry Stephen Reynolds, B. S.	Schenectady
Edward Louis Robbins	Syracuse
James Israel Schoonmaker	West Coxsackie
Frank Arthur Searle	Southampton, Mass.
Lewis Jeriah Smith	Westfield, Mass.
Theron Smith	Newburgh
William Irving Walsh	Troy
John Waluk	Amsterdam
Willard Elmer Wheelock	Canajoharie
Cecil Charles Whittemore	Albany
Fred DeGrande Wilson	Downsville
Leon Wolff	Brooklyn
Laurence Randolph Worrell	Albany
Harry Theodore Wygant	Watervliet

* Matriculant only.

Third Year

NAME	RESIDENCE
Julius Robley Almer	New York
Percy Huntly Austin	Warrensburg
Walter Schneider Bennett	Hartford
John Edward Burke	Schenectady
Hugh Smith Chidester	Saugerties
Samuel Colliss.	Brooklyn
Arthur Hiram Congdon	Fort Plain
Albert Nelson Crouch	Troy
Stephen Horace Curtis	Troy
Gerald Edward Dailey	Gloversville
Frank Edward Dean, Jr.	South Shaftsbury, Vt.
Irwin Van Olinda Decker	Troy
Arthur Maultby Dickinson	Albany
Francis Thomas Duffy	Troy
James Manning Dunn	Schenectady
Lawrence Joseph Early	Schenectady
Frederick George Eaton	Saratoga Springs
Guy Fish	Indian Lake
Leon Willis Green	East Springfield
William Lester Grogan	Rome
Ralph Marsh Hall.	Albany
Raoul Albert Hebert	Cohoes
John Edward Hieslin	Saratoga Springs
Stanley Morton King	Urlton
James Sarsfield Lyons	Albany
William Bernard McKeon	Troy
Joseph William Miller	New York
Martin Alvin Murphy.	Hoosick Falls
William Francis Nealon	Hoosick Falls
Charles Luman Nichols	Philmont
John Joseph O'Connor	Albany
*Vincent John Thomas O'Neill	Highland Falls
Jonathan Pearson, B. S.	Schenectady
*Joseph Edward Randolph	Belleville, N. J.
Theodore Dorris Reed	Albany
George Stiles Reitter	Stepney Depot, Conn.
Homer Isaac Rexford	Watervliet
Arthur Grant Rodgers, Jr.	Rensselaer
William Joseph Ryan	Newport
Ernest Raymond Schilling	East Chatham
Frank Phillip Schneider	Utica
Benjamin Herman Shapiro	Glens Falls
Byron Gray Shults	Johnstown
Robert Cunningham Simpson, Jr.	Amsterdam
William Patrick Sweeny	Saratoga Springs
*Leo Ross Tighe	Cohoes
Charles William Tomlinson	Troy
Leonard Kip Van Dyck, A. B.	Philmont
Herbert Austin Vogel	Albany
Fred Vosburgh	Cobleskill
Archibald Albert Walker	Callicoon
Bernath Weiss	Brooklyn
Joseph Wrana	Brooklyn

* Matriculant only.

Second Year

NAME	RESIDENCE
James MacFeeters Archibold.	Cohoes
Harold Arthur Bancroft	Schenectady
Morgan Otto Barrett	Plattsburg
†Glen Beecher	Granville
Jacob Blumberg	Jersey City, N. J.
Edward Oscar Boller	Elizabeth, N. J.
Thomas McGrath Brennock	Albany
William Charles Brons	Jamaica
James Raymond Cahill	Montgomery
*Daniel Francis Carmody	Albany
John Dennis Carroll	Troy
William James Carroll	Sag Harbor
Harold Frank Cleveland, Ph. G.	Salem
Lawrence Henry Cotter	Poughkeepsie
Richard Patrick Doody	Cohoes
**Christie Joseph Drago	Brooklyn
Loyal Lindsey Dunlop.	Stony Creek
Henry Edward Elwood, Jr.	Corning
Harry Gladstone Evens	Luzerne
*James Walter Fitzgerald	Troy
Patrick Joseph Fitzgibbons	Amsterdam
Glenn Daniel Frost	Van Hornesville
Karl Gebhard	Mount Vernon
Victor Giancontieri	Brooklyn
*William Goldhush	Brooklyn
John Luverne Hemstead, Ph. G.	Waterford
Hyman Hershberg.	Albany
†Herbert Tweedie Hewett	Minaville
Frederic William Holcomb	Palenville
Howard Conkling Johnston	Horicon
Howard Marion Kenyon	Albany
John Christian Knapp	Philmont
Charles Augustus Krauss	Watervliet
Francis James Lawler	Pulaski
Benjamin Lechner	New York
Earl Cunningham MacCordy	Amsterdam
Frank Buckley Maguire	Albany
Royal Harrison Mayhew	Whitesboro
John Nulty McCarty	Saratoga Springs
Edward Leo McDermott, B. S.	Schenectady
John Williams McKeever	Newburgh
Donald Esterbrook McKenna	Brooklyn
Walter McShane	Springfield Center
James Madison Neary	Watervliet
Edward Bernard O'Keeffe	Hadley
Matthew Francis Olstein	Peekskill
Robert Morris Palmer, A. B.	Gloversville
Orla James Park	Hudson Falls
Harold Artemus Peck	Albany
Ray Eugene Persons	Jewett
Donald Dean Prentice	Pittsfield, Mass.
Abraham Max Rabiner	Albany
George Mark Richard	Corning
Clarence Fay Rinkle	Boonville

* Matriculant only.

** Not in attendance.

† Part of course.

‡ Died March 17, 1914.

NAME	RESIDENCE
Lester Edwin Sanford	Albany
Leslie Boyd Seaport	Cohoes
Rudolph Jonas Shafer	Castleton
Vincent Gorman Smith	Central Bridge
Howard Barton Swan	Chestertown
Harry Knibb Tebbutt, Jr.	Albany
Wesley Allter Van Deusen	St. Johnsville
Howard C. Van Keuren	Mongaup Valley
John Joseph Ward	Johnstown
Henry Russell Washbon	Morris
Earl Charles Waterbury	Campbell Hall
Theodore Stephen West	New York
Raeburn James Wharton	Summit

First Year

†Joseph Mark Ahearn	Troy
Stanley Earl Alderson	Mohawk
Charles Pahl Archambeault	Brooklyn
Milton Aronowitz, B. S.	Albany
David Samuel Babtakis	New York
Clarence Walter Barth	Schaghticoke
Raymond Gernand Bell	Auburn
*Louis Alexander Bellegarde	Albany
Claude Hollis Bentley	West Hebron
James Michael Bernhard	Schenectady
Sidney William Bisgrove	Schenectady
Anathol Michael Breault	Cohoes
†John Goyer Brush	Troy
Leroy Joseph Butler	Waterford
Hubert Francis Carroll	Indian Lake
Byron Edwin Chapman	Broadalbin
**Morris Cohen	Newburgh
Lewis Smith Conrad	Urlton
Norman Scott Cooper	Athens
Leon Charles Coté	Lake George
Howard Wilcox Davis	Schenectady
Walter George Davison	North Creek
Edward Thomas Delehanty	Albany
Louis Joseph De Russo	Albany
†Walter Jerome Dillon	Watervliet
Albert Henry Faber, Jr.	Schenectady
†Howard John Garlick	Fall River, Mass.
William Edwin Gazeley	Albany
Carl Charles Giannotti	New Haven, Conn.
Isaac Goldstein	New York
Charles William Green	Schenectady
Samuel William Green	Brooklyn
Joseph Taylor Guffin	Schenectady
Daniel Francis Hannon	Pittsfield, Mass.
William Henry Hauck	Philadelphia, Pa.
Harold Colvin Haviland	Hudson Falls
Albert Leonard Hayes	Hoosick Falls
William Edward Hickey	Indian Lake
**John Martin Hickox	Harpursville
Charles James Higley	North Adams, Mass.
Patrick Henry Huntington	Mechanicville
*Milton James Jacobson	Troy
Kent Wood Jarvis	Delanson
Clement James Jasoloski	Schenectady
John Aloysius Kirby	Troy
Raymond Francis Kircher	Albany
Maximilian Kohlenberg, Jr.	Brooklyn
*Lazarus Lipschitz	New York
Robert Atherton Mac Taggart	Schenectady
Victor Joseph Mallet	Troy
Charles Mester	New York
†Joseph Motler	Brooklyn

* Matriculant only.

** Not in attendance.

† Part of course.

‡ Died July 9, 1914.

NAME	RESIDENCE
Andrew Vincent Mullen, A. B.	Poughkeepsie
George Yates Myers	Albany
William Panitch	Brainard
Anthony Pendola	Brooklyn
Barney Weeks Phillips	Hartwick
George Trecise Polk, Jr.	Poughkeepsie
John Joseph Randall	Albany
Jacob Resnik	New York
Leonard Walker Ripton	Johnstown
John Harry Robbins, Ph. G.	Albany
John Hourne Robertson	South Glens Falls
*Louida Louis San Soucie	Adams, Mass.
Avery Hugo Sarno	Amsterdam
Ivan Michael Schneible	Albany
Nathan Sesitzky	New York
Edward Grady Sheehan	Watervliet
Norman Leo Sheeche	Dunkirk
John Sherburne, 2nd	Amsterdam
David Clark Shinaman	Troy
George Edward Smith	Troy
Harold Moses Smith	Colton
Homer Alphonse Tessier	Cohoes
George Milo Thomas	Adams Centre
Ralph Waldo Turner	Albany
Chester Bruce Van Gaasbeek	Kingston
Irving Van Woert	Albany
George Clark Vogt	Kingston
Charles Francis Walsh	Watervliet
Frank William Aloy Wehle	Rochester
Earle Wayne Wilkins	West Albany
Burchard Alfred Winne	Hancock

** Not in attendance.

SUMMARY

Fourth Year Class	55
Third Year Class	53
Second Year Class	67
First Year Class	83

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STUDENTS' CLUB, BRANCH OF ALBANY Y. M. C. A.

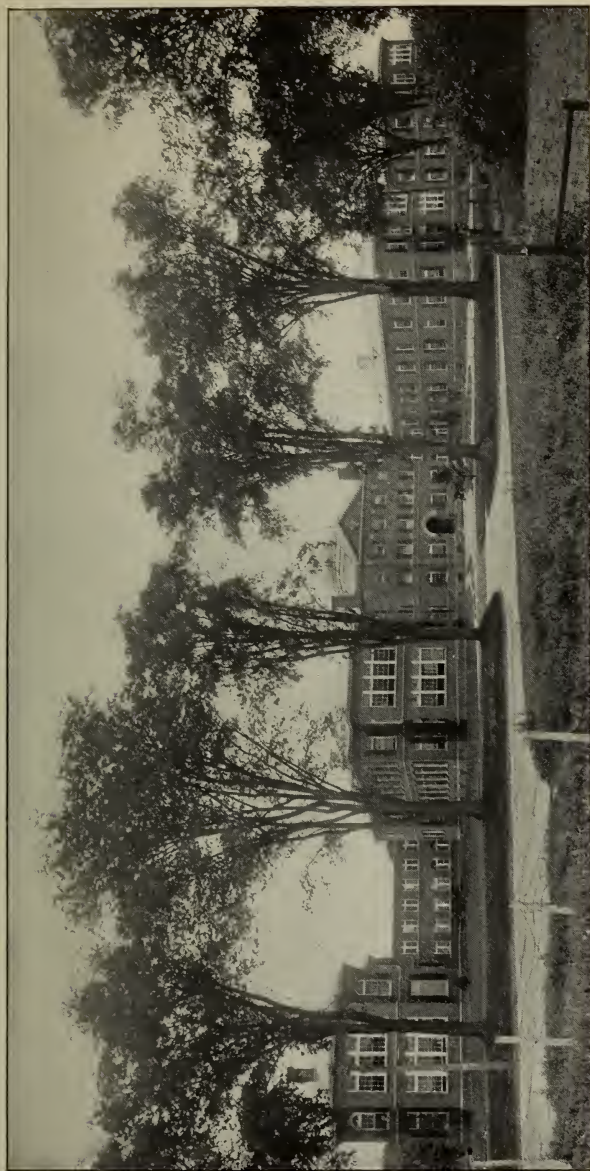
The club will be conducted at the Central Y. M. C. A., corner North Pearl and Steuben streets, where will be found a well-supplied library and reading room, billiard tables, piano and social rooms, gymnasium, bowling alleys, shower baths and swimming pool, also dormitories.

Student committees will promote socials and popular lectures.

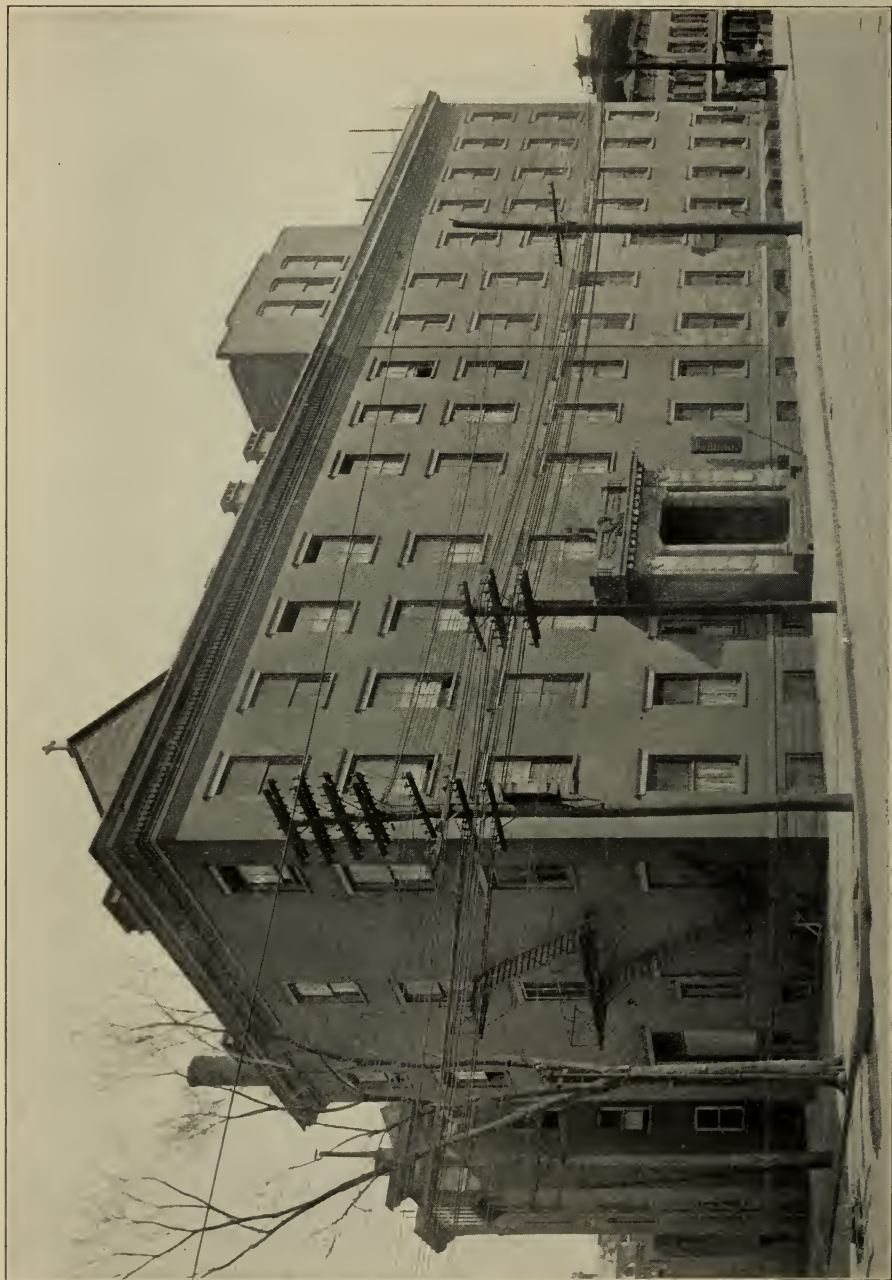
Students coming to Albany for their first year's work will be met at the respective colleges by club members who will gladly give any information, and assist all such men to find good rooming and boarding houses.

THE 1915 SKULL

The Senior Class announces that on or about April 1, 1915, the sixth volume of THE SKULL will be issued. The book will contain literary material relating to the faculty, classes, fraternities, clubs and an editorial department devoted to the interest of class and college. THE SKULL board requests the co-operation of the students, faculty and alumni in making the book one representative of the college and its activities. Communications should be addressed to W. Lester Grogan, Editor-in-Chief, or Stephen H. Curtis, Business Manager.



THE ALBANY HOSPITAL
Incorporated 1840



ST. PETER'S HOSPITAL

ALBANY LAW SCHOOL

DEPARTMENT OF LAW—UNION UNIVERSITY
ESTABLISHED 1851.

The law school occupies a building wholly devoted to its use. It is situated upon one of the finest avenues in the city in close proximity to the Capitol, State Law Library, Law courts, etc.

With the term ending June 11, 1914, the school completed its sixty-fourth year. Since its establishment upwards of six thousand students have attended its lectures and among its graduates are numbered many of the most successful and honorable members of the bench and bar, and of the executive departments of the country.

It has been and is the aim of the school to combine, as thoroughly as possible, the theoretical and practical in its scheme of instruction.

The local advantages of the city of Albany as the seat of a school of instruction in the law are unsurpassed.

The course leading to the degree of LL.B. is three years.

Students who have spent one or two years in an office may enter the second year class upon passing a satisfactory examination, and may graduate at the end of the course but without a degree.

The next course begins September 22, 1914.

For catalogues or further information, address

JOHN C. WATSON, *Registrar*,
Albany Law School,
Albany, N. Y.

DUDLEY OBSERVATORY, ALBANY

The Dudley Observatory was founded in 1852. In 1874 it became, by act of the legislature, a department of Union University. It is located on Lake Avenue, southwest of Washington Park. Visitors are admitted only on Tuesday evenings, from 8 o'clock to 10, and on passes obtained from the members of the board of trustees.

Instruction is given to special students.

For further information, address

PROFESSOR BENJAMIN BOSS,
Director of the Dudley Observatory,
Albany, N. Y.

ALBANY MEDICAL ANNALS

The ALBANY MEDICAL ANNALS was established in 1880 for the purpose of recording the transactions of the Medical Society of the County of Albany, and items of medical interest to the medical profession generally. In 1891 the ANNALS became the Journal of the Alumni Association of the Albany Medical College, and has extended its field to cover all branches of medicine and surgery, under the direction of editors for each department. The yearly volume now consists of approximately nine hundred text pages.

The ANNALS is published on the first of every month. The subscription price is two dollars a year in advance.

Original articles, items of medical importance and correspondence upon topics of current interest are solicited.

Communications and subscriptions should be addressed

ALBANY MEDICAL ANNALS,
170 Washington Avenue, Albany, N. Y.

ALBANY HOSPITAL TRAINING SCHOOL FOR NURSES

The training school for nurses was organized in December, 1896, and incorporated in April, 1897. Its objects are the improvement of the nursing service in the Albany Hospital and the education of nurses. A three year course of instruction has been adopted, including lectures by the members of the medical and surgical staffs of the hospital and other physicians, recitations to the Principal of the school and the Instructor of Nurses, and practical ward instruction in the care of the sick and injured under the direction of graduate nurses.

Pupils are received as probationers, and after acceptance by the Principal of the school, enter upon the regular course of study.

No fees are charged for instruction, the services rendered in the wards of the hospitals being accepted as an equivalent. After the first three months an allowance of seven dollars a month for necessary expenses, clothing, books, etc., is granted the pupils of the school.

No applicants are considered who do not express their willingness and intention to remain throughout the full course of three years. For information address,

PRINCIPAL OF THE SCHOOL FOR NURSES,
Albany Hospital, Albany, N.Y.

UNION COLLEGE

The college offers undergraduate courses leading to the degrees of A. B., Ph. B., B. S., and B. E., as follows:

1. *Courses leading to the degree of A. B.*

CLASSICAL COURSE A.—Greek is required for admission to this course. Latin and Greek are required for two years, and are elective for the remainder of the course.

CLASSICAL COURSE B.—This course may be pursued by candidates who satisfy the requirements for admission to the Ph. B. course. Greek is studied five hours weekly during the junior and senior years.

2. *Course leading to the degree of Ph. B.*

This course offers Latin without Greek.

3. *Course leading to the degree of B. S.*

This course is based upon the study of mathematics and sciences, with extended work in English and other modern languages.

4. *Courses leading to the degree of B. E.*

GENERAL ENGINEERING COURSE.—This course offers the foundation of a broad engineering education, comprising mathematics, the sciences, the fundamental principles of the special branches of the profession, some training in history and economics, a knowledge of both French and German, and a course in English.

SANITARY ENGINEERING COURSE.—This differs from course 4 in substituting special work in sanitary engineering for some of the general engineering studies.

ELECTRICAL ENGINEERING COURSE.—This course is intended to give a broad and thorough engineering education, with the specific instruction requisite for electrical engineering.

5. *Courses leading to graduate degrees.*

COURSE LEADING TO DEGREE OF M. C. E.—This course of one year's graduate study consists of lectures, laboratory practice and research work.

COURSE LEADING TO DEGREE OF M. E. E.—This course of one year's graduate study consists of lectures, laboratory practice and research work.

COURSE LEADING TO DEGREE OF PH. D.—This course of two years' graduate study requires for admission the degree of M. E. E. or an equivalent.

Students in full standing at the end of Junior year who have the profession of medicine in view are permitted to take the first year studies of the Albany Medical College as a substitute for the studies of the senior year in Union College. This enables medical students to lessen the time of their academic and professional studies by one year.

Schenectady offers peculiar advantages to the student of engineering, and special facilities for the study of electrical engineering are afforded by the co-operation of the General Electric Company.

The fee for tuition is, in the academic courses, \$90 a year, and in the engineering courses \$150 a year; room rent in the college dormitories is \$60 to \$75 a year additional. Board can be had for from \$4 to \$5 a week. Some scholarships are granted under conditions stated in the college catalogue.

Commencement occurs always on the second Wednesday of June. The fall term of 1914 begins September 14. Entrance examinations are held on the Thursday and Friday immediately following Commencement, and on the Monday, Wednesday and Thursday of the first week of the fall term.

For catalogue, address

SECRETARY OF THE FACULTY, UNION COLLEGE,
Schenectady, N. Y.

ALBANY COLLEGE OF PHARMACY

Department of Pharmacy, Union University

SESSION OF 1914-1915

This department was created by act of the Board of Governors of Union University, June 21, 1881, and incorporated August 27, 1881. The thirty-fourth session will open on Monday, September 28, 1914, and close April 27, 1915. The college is centrally located at 43-45 Eagle street.

FACULTY

CHARLES ALEXANDER RICHMOND, D. D., LL. D.,
Chancellor of the University

WILLIS GAYLORD TUCKER, M. D., PH. D., DEAN
Professor of Chemistry and Toxicology
ALFRED BIRCH HUESTED, M. D., PH. G.
Professor of Materia Medica and Botany
GUSTAVUS MICHAELIS, PH. G.
Emeritus Professor of Pharmacy

GARRET VANDER VEER DILLENBACK, PH. G.
Associate Professor of Pharmacy
EDWIN CUNNINGHAM HUTMAN, PH. G.
Director of Pharmaceutical Laboratory
WILLIAM ATWOOD LARKIN, PH. G.
Adjunct Professor of Chemistry
SPENCER LYMAN DAWES, M. D.
Director of Microscopical Laboratory
JARED WATERBURY SCUDDER, A. M.
Instructor in Latin

WARREN LANSING BRADT, PH. G.
Lecturer on Pharmaceutical Jurisprudence

WILLIAM WALKER GIBSON, PH. B., PH. G.
Instructor in Commercial Pharmacy

HARRY WHEELER BAKER, PH. G.
Instructor in Pharmacy and Chemistry

RICHARD BERCHMANS GRAY, M. D.
Assistant in Microscopical Laboratory.

MANSER TEMPLETON STONE, PH. G.
Instructor in Pharmacy and Mathematics

LEROY GEORGE MATTHEWS, PH. G.
Instructor in Physics

FRANK POMFRET HUESTED, PH. C.
Lecturer on Physiology

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INCORPORATED FEBRUARY 6, 1874.

This association was organized January 20, 1874. The membership consists of the officers and graduates of the college. Total number of graduates, 2917. Names and addresses upon the roll, 1584. The object of the association is to promote the interests of the college in the work of medical education, and to cultivate social intercourse among the alumni. The annual meeting is held upon commencement day. The officers of the association, excepting the members of the executive committee who serve for three years, are elected annually.

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The next annual meeting will be held in the college building on Tuesday, May 25, 1915. So far as their addresses can be ascertained all graduates of the college are notified of the annual meetings through the mail. Those who do not receive such notice regularly are requested to furnish the corresponding secretary with their addresses and to keep him informed of any change in their place of residence. The yearly dues are fixed at one dollar. This may be sent to Dr. Robert Babcock, Treasurer, 102 Lancaster street, Albany, N. Y.

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